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RESULT 7
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 ; Sequence 16775, Application US/09949016
 ; Patent No. 681239
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498

[illegible]

Query Match	3.8%	Score 71.2	DB 3	Length 1926
Best Local Similarity	61.2%	Pred. No. 9	28-10	
Matches 115	Conservative 0	Mismatches 73	Indels 0	Gaps 0

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GenCore version 5.1.6
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Run on: September 10, 2005, 17:58:51 ; Search time 1186 Seconds
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7351250 seqs, 328362054 residues

Total number of hits satisfying chosen parameters: 14702500

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1895	100.0	1895	US-10-148-641A-23	Sequence 23, Appl
2	1886	99.5	1886	US-10-263-666-41	Sequence 41, Appl
3	1886	99.5	1886	US-10-085-117-53	Sequence 53, Appl
4	1881.8	99.3	1892	US-10-719-993-124	Sequence 124, Appl
5	1856.4	98.0	1899	US-09-746-783-77	Sequence 77, Appl
6	1811.2	95.6	1892	US-09-397-945-90	Sequence 90, Appl
7	1811.2	95.6	1892	US-10-653-595-90	Sequence 90, Appl

8	1632	86.1	1632	US-10-085-117-54	Sequence 54, Appl
9	1271.8	67.1	1671	US-10-296-115-693	Sequence 693, Appl
10	1128.2	59.5	1840	US-10-085-117-50	Sequence 50, Appl
11	1062.6	56.1	1623	US-10-085-117-51	Sequence 51, Appl
12	937.6	49.5	1624	US-09-978-360A-262	Sequence 262, Appl
13	471.8	24.9	21347	US-10-719-993-6794	Sequence 6794, Appl
14	471.8	24.9	29346	US-10-085-117-52	Sequence 52, Appl
15	433.8	22.9	469	US-09-918-995-14842	Sequence 14842, A
16	408.4	21.6	474	US-09-918-995-36471	Sequence 36471, A
17	337.2	17.8	522	US-10-474-495-12	Sequence 12, Appl
18	332	17.5	28955	US-10-719-993-6811	Sequence 6811, Appl
19	329.8	17.4	507	US-10-474-495-230	Sequence 230, Appl
20	328	17.3	24923	US-10-719-993-7043	Sequence 7043, Appl
21	282.4	14.9	308	US-10-040-739-641	Sequence 641, Appl
22	275.8	14.6	36211	US-10-085-117-49	Sequence 49, Appl
23	200.6	10.6	201	US-10-719-993-2295	Sequence 2295, Appl
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28	154.6	8.2	201	US-10-719-993-15249	Sequence 15249, A
29	154.6	8.2	201	US-10-719-993-17827	Sequence 17827, A
30	139.8	7.4	201	US-10-719-993-15240	Sequence 15240, A
31	135.4	7.1	201	US-10-719-993-15253	Sequence 15253, A
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36	95.4	5.0	201	US-10-719-993-15238	Sequence 15238, A
37	88.4	4.7	201	US-10-719-993-15251	Sequence 15251, A
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39	75.6	4.0	28796	US-10-087-192-1297	Sequence 1297, Appl
40	74	3.9	628	US-10-029-386-22859	Sequence 22859, A
41	73.4	3.9	51259	US-10-374-077-209	Sequence 209, Appl
42	72.6	3.8	16442	US-10-374-077-208	Sequence 208, Appl
43	71.2	3.8	1926	US-10-394-804-3	Sequence 3, Appl
44	71.2	3.8	1926	US-10-194-046-3	Sequence 3, Appl
45	71.2	3.8	8705	US-10-291-230-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-10-148-641A-23
; Sequence 23, Application US/10148641A
; Publication No. US20040086852A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Toshio and Nakayama, Eiichi
; TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 100461.70132, US
; CURRENT APPLICATION NUMBER: US/10/148,641A
; PRIOR FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: US 09/559,013
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 60/168,353
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)...(1677)
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 1895; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 1861 TGACTTTACATTAATGTTGATCTTCAAAAAA 1895

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 ; Sequence 41, Application US/10262666
 ; Publication No. US20030180298A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Nakayama, Eiichi
 ; APPLICANT: Ono, Toshiro
 ; APPLICANT: Old, Lloyd J.
 ; APPLICANT: Hasegawa, Kosei
 ; APPLICANT: Matsushita, Hirokazu
 ; TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
 ; FILE REFERENCE: L00461.70140
 ; CURRENT APPLICATION NUMBER: US/10/262,666
 ; PRIOR FILING DATE: 2002-10-01
 ; PRIOR APPLICATION NUMBER: PCT/US02/12497
 ; PRIOR FILING DATE: 2002-04-19
 ; PRIOR APPLICATION NUMBER: US 60/356,937

PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 60/285,343
PRIOR FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49)..(1680)
OTHER INFORMATION:
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DB 1861 TGACTTTACATAAATGTTGATCTTC 1886

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RESULT 3
US-10-085-117-53
Sequence 53, Application US/10085117
Publication No. US2003023234A1
GENERAL INFORMATION:
APPLICANT: Morris, David W.
APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: 529452000121
CURRENT APPLICATION NUMBER: US/10/085,117.
CURRENT FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 361
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
US-10-085-117-53

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Query Match	99.5%	Score 1886;	DB 17;	Length 1886;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 1886;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1	TTTATGAGGCGGCTGTGTGTCACAGGGAACGGGGCGGATCTTTCGCGGCATATGAGGAAGCA	60
Db	1	GTATGAGGCGGCTGTGTGTCACAGGGAACGGGGCGGATCTTTCGCGGCATATGAGGAAGCA	60
Qy	61	GCCGCTGGCTTCTTTCCTCTCACTCCGTGAAGGTCGTCTTCCTCTGGCACCTCCGCA	120
Db	61	GCGGTGGCTTCTTTCCTCTCACTCTGAAGGTCGTCTTCCTCTGGCACCTCCGCA	120
Qy	121	GCCCAAGATTGACTCAGAGCCCCCACTCCAGGACGCTCTCTCTCTTACGGAATACGA	180
Db	121	GCCCAAGATTGACTCAGAGCCCCCACTCCAGGACGCTCTCTCTCTTACGGAATACGA	180
Qy	181	CGTTCTTTGGCACTGTGTCAACTGTGAAGGGAAGAGACTAAGCTGGCGTCTCGGTCA	240
Db	181	CGTTCTTTGGCACTGTGTCAACTGTGAAGGGAAGAGACTAAGCTGGCGTCTCGGTCA	240
Qy	241	ACCACGAGCTCGCGGAATCCCACTGTGTGTCAGCTGAGCAATATGAAAAACACGGCTTA	300
Db	241	ACCACGAGCTCGCGGAATCCCACTGTGTGTCAGCTGAGCAATATGAAAAACACGGCTTA	300
Qy	301	GTGCCGAGTGTGTGTCTGTCTCAACCTCCCTTATGCTCTGTGTTGAGTCTTTCTGC	360
Db	301	GTGCCGAGTGTGTGTCTGTCTCAACCTCCCTTATGCTCTGTGTTGAGTCTTTCTGC	360
Qy	361	CAGTTCACTCACTACCGTTGTGTCACCAACAGCTCTATGCGCAABAAGTCCGTGTGCC	420
Db	361	CAGTTCACTCACTACCGTTGTGTCACCAACAGCTCTATGCGCAABAAGTCCGTGTGCC	420
Qy	421	CAGCCAGTCTATTTCTCTCACTTAACACTCTCAAGAGATGAAAGCTTCAGCTGAAGTC	480
Db	421	CAGCCAGTCTATTTCTCTCACTTAACACTCTCAAGAGATGAAAGCTTCAGCTGAAGTC	480
Qy	481	TCACCCACACGATGACCTTCCCCATCTTCACTTCACTTCAACGTACAGAACGCCAGACC	540
Db	481	TCACCCACACGATGACCTTCCCCATCTTCACTTCACTTCAACGTACAGAACGCCAGACC	540
Qy	541	TTTCAGGCTTGGCTGTGAGAGGCTCAGAGCAACAACGTGGAAGACTCTCTAATCTCTTTG	600
Db	541	TTTCAGGCTTGGCTGTGAGAGGCTCAGAGCAACAACGTGGAAGACTCTCTAATCTCTTTG	600
Qy	601	TCCTCTGAGAGGCAAGAGCAACGCCACAGNCAACAAGCAAGAGCAAGTGTGAGCACHG	660
Db	601	TCCTCTGAGAGGCAAGAGCAACGCCACAGNCAACAAGCAAGAGTGTGAGCACHG	660
Qy	661	CAGAGCGGACACATGAACACAAAGCAAGAAAGGGGACAAACAGGAMGCAAGAGAG	720
Db	661	CAGAGCGGACACATGAACACAAAGCAAGAAAGGGGACAAACAGGAMGCAAGAGAG	720

D	b	661	CAGAGACCCGACACAAAGAACACACAGAGAAAGAGGGCGCAAAACAGAAAGACAAAGAGAG	720
Q	y	721	GAACAGAGAAAGAGAGGGAAATGACAGAAAGAAAGACACAGGGACCTTAAGAGGGACGGGAGCT	780
D	b	721	GAACAGAGAAAGAGAGGGAAATGACAGAAAGAAAGACACAGGGACCTTAAGAGGGACGGGAGCT	780
Q	y	781	GTGTCTAGAGCTGACGACAGACTAGAGGCCAAGTTTCACTGTAATCTTACTTTCTTAC	840
D	b	781	GTGTCTAGAGCTGACGACAGACTAGAGGCCAAGTTTCACTGTAATCTTACTTTCTTAC	840
Q	y	841	CCCTTCCTCTTTTGTGCTCCCGGGATGACAGAAAGTAGAGTCTACTCCTAATGATTAAGAGAAC	900
D	b	841	CCCTTCCTCTTTTGTGCTCCCGGGATGACAGAAAGTAGAGTCTACTCCTAATGATTAAGAGAAC	900
Q	y	901	ATCCAGAGAGCTCATTCGATCAAGCCACAGAAATAGATGAAATGAAATTAATATGATGAG	960
D	b	901	ATCCAGAGAGCTCATTCGATCAAGCCACAGAAATAGATGAAATGAAATTAATATGATGAG	960
Q	y	961	AACTCCCACTGAGAGAAACCAAAACCCGAGAGCTTCTGAGAGCTGGCCCAACAGAGAGCC	1020
D	b	961	AACTCCCACTGAGAGAAACCAAAACCCGAGAGCTTCTGAGAGCTGGCCCAACAGAGAGCC	1020
Q	y	1021	TTTGCTGTGCTGTGCTATTTGATCTGTGAGAAATTAATCTGTACATCAAAACCCCAACAGC	1080
D	b	1021	TTTGCTGTGCTGTGCTATTTGATCTGTGAGAAATTAATCTGTACATCAAAACCCCAACAGC	1080
Q	y	1081	GCTGTGAAGTACATGAGAGAGAGAGATCTTGTTTCGGAAAGTCGGTCTGTGACGCTT	1140
D	b	1081	GCTGTGAAGTACATGAGAGAGAGAGATCTTGTTTCGGAAAGTCGGTCTGTGACGCTT	1140
Q	y	1141	GGGGGGGAGACAAATGCTACTGTGGCCCTGTGACCTTGCTGCTTGAAGCTGAGAGAG	1200
D	b	1141	GGGGGGGAGACAAATGCTACTGTGGCCCTGTGACCTTGCTGCTTGAAGCTGAGAGAG	1200
Q	y	1201	TGCCACTACAGAGGCGACCTGTGACGGGCAACAATATGACACACTTCCCAACAAGACTCCCTT	1260
D	b	1201	TGCCACTACAGAGGCGACCTGTGACGGGCAACAATATGACACACTTCCCAACAAGACTCCCTT	1260
Q	y	1261	GTACAGCCCTTGCTTGCTCCACAGAGGCTGTCCATGCGGCAACAGGTAGGGTCCCCAGAA	1320
D	b	1261	GTACAGCCCTTGCTTGCTCCACAGAGGCTGTCCATGCGGCAACAGGTAGGGTCCCCAGAA	1320
Q	y	1321	TCAGGCGGCTTTTACGGGCTGGAATTTGTACGGTGGGCTCCACATNGACTTCTGGTGTGCC	1380
D	b	1321	TCAGGCGGCTTTTACGGGCTGGAATTTGTACGGTGGGCTCCACATNGACTTCTGGTGTGCC	1380
Q	y	1381	CGGCTTTCGCAAGAAAGGCTGGAAGATGTCCGAGTCTCTGGGTGGCTCCAGACTGAGTTT	1440
D	b	1381	CGGCTTTCGCAAGAAAGGCTGGAAGATGTCCGAGTCTCTGGGTGGCTCCAGACTGAGTTT	1440
Q	y	1441	CTTAGCTTTCAGAGATGGGGAATTTCCCTTACCAAGATTTGTGACACAGACTAATATCCAGTAC	1500
D	b	1441	CTTAGCTTTCAGAGATGGGGAATTTCCCTTACCAAGATTTGTGACACAGACTAATATCCAGTAC	1500
Q	y	1501	CCAAACTACTGTGCTCTTCAAAAAGCCACAGAGTGTGATGAGAAAACCGCAATCGGAAGGTG	1560
D	b	1501	CCAAACTACTGTGCTCTTCAAAAAGCCACAGAGTGTGATGAGAAAACCGCAATCGGAAGGTG	1560
Q	y	1561	TCCCGCATGAGATGTGCAAGATGACACTTACAGTCCGCTGAGCCCTGTGCAAAAAGTGA	1620
D	b	1561	TCCCGCATGAGATGTGCAAGATGACACTTACAGTCCGCTGAGCCCTGTGCAAAAAGTGA	1620
Q	y	1621	GACCTTGTGCTTCGATGAGACGAGAGTTCAGACCTTGAACCTTAGGCCAGTTTGGATGA	1680
D	b	1621	GACCTTGTGCTTCGATGAGACGAGAGTTCAGACCTTGAACCTTGAAGGCCAGTTTGGATGA	1680
Q	y	1681	GCTGGGCTCTATTGTGCGCACACCCCAAGCCCAACTGCTCTATTGTTTGA	1740
D	b	1681	GCTGGGCTCTATTGTGCGCACACCCCAAGCCCAACTGCTCTATTGTTTGA	1740
Q	y	1741	ACCCCAATTGCTTTCAGGCTGCCCTTCTGGGTCTGTTACTGTGGCCCTTACTCATATTTCC	1800
D	b	1741	ACCCCAATTGCTTTCAGGCTGCCCTTCTGGGTCTGTTACTGTGGCCCTTACTCATATTTCC	1800

1141 CGACATGCTACGTCGTGCTCTGTGACTTCTGCTCTTGAAGCTGAGCAGTGCAC 1200
1207 TGAAGAGGAGGCTGAGGAGGAGCAATGAGACACTCCCAAGACTCCCTTTGTCAGC 1266
1201 TGAAGAGGAGGCTGAGGAGGAGCAATGAGACACTCCCAAGACTCCCTTTGTCAGC 1260
1267 CCCTGCTTGCCTCCCAAGAGCTGTCTCATCGGCAACAGGTAAGGATCCCAAGATAGGC 1326
1261 CCCTGCTTGCCTCCCAAGAGCTGTCTCATCGGCAACAGGTAAGGATCCCAAGATAGGC 1320
1327 CCCTTTACGGGCTGAGATTTGTAACGCTGAGCTCCCAAGACTCTTGTGTGCCGCTT 1386
1321 CGCTTTACGGGCTGAGATTTGTAACGCTGAGCTCCCAAGACTCTTGTGTGCCGCTT 1380
1387 GCCAAGAAAGGCTGTAAGATGTCAGAGTCTCGGGTGGCTCCAGACTAGTCTTAC 1446
1381 GCCAAGAAAGGCTGTAAGATGTCAGAGTCTCGGGTGGCTCCAGACTAGTCTTAC 1440
1447 TTCAGAGATGGGATTTCCCTCAACAGATTTGTAGACAGACTATATCCAGTACCAAC 1506
1441 TTCAGAGATGGGATTTCCCTCAACAGATTTGTAGACAGACTATATCCAGTACCAAC 1500
1507 TACTGTTCTTCAAAAGCCAGCAGTGTCTGATGAGAAACCGCAATCGAAGGTGCTCCG 1566
1501 TACTGTTCTTCAAAAGCCAGCAGTGTCTGATGAGAAACCGCAATCGAAGGTGCTCCG 1560
1567 ATGAGATGTCGAGATGATGATTAAGTGTGCTGAGCTGAGCTGCGCAAAAGTGAAGCTT 1626
1561 ATGAGATGTCGAGATGATGATTAAGTGTGCTGAGCTGAGCTGCGCAAAAGTGAAGCTT 1619
1627 GTGC-TCGATGAGAGCAGAGATTTGAGACCTTGAAGTCAAGGCAATGAGAGTCTG 1685
1620 GTGCTTTCATGAGAGCAGAGATTTGAGACCTTGAAGTCAAGGCAATGAGAGTCTG 1679
1686 CGTCTATTTGCCCCACACCCCAAGCCCAAGTCTGCTATTTGTTGAGACCC 1745
1680 SGTTATTTTGGCCCAACCCCAAGCCCAAGTCTGCTATTTGTTGAGACCC 1739
1746 ATGCTTTAGAGTGTGCTTCTGAGTCTGTTACTGAGCCCTTCACTCAATTTCTTGG 1805
1740 ATGCTTTAGAGTGTGCTTCTGAGTCTGTTACTGAGCCCTTCACTCAATTTCTTGG 1799
1806 TTGAGACACAGTCCCAAGAGAGGAGCAGAGTGGAGCTGAGCCCTTCAAAAGATGACT 1865
1800 TTGAGACACAGTCCCAAGAGAGGAGCAGAGTGGAGCTGAGCCCTTCAAAAGATGACT 1859
1866 TTACATAAATGTGATCTTCAAAAAA 1895
1860 TTACATAAATGTGATCTTCAAAAAA 1889

RESULT 6
US-09-397-945-90
; Sequence 90, Application US/09397945
; Publication No. US20030065139A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc. et al.
; TITLE OF INVENTION: 95 Human secreted proteins
; FILE REFERENCE: P2027P1
; CURRENT APPLICATION NUMBER: US/09/397,945
; CURRENT FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: PCT/US99/05804
; PRIOR FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: 60/078,566
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,576
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,573
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,574
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,579

1 PRIOR FILING DATE: 1998-03-19
2 PRIOR APPLICATION NUMBER: 60/080,314
3 PRIOR FILING DATE: 1998-04-01
4 PRIOR APPLICATION NUMBER: 60/080,312
5 PRIOR FILING DATE: 1998-04-01
6 PRIOR APPLICATION NUMBER: 60/078,578
7 PRIOR FILING DATE: 1998-03-19
8 PRIOR APPLICATION NUMBER: 60/078,581
9 PRIOR FILING DATE: 1998-03-19
10 PRIOR APPLICATION NUMBER: 60/078,577
11 PRIOR FILING DATE: 1998-03-19
12 PRIOR APPLICATION NUMBER: 60/078,563
13 PRIOR FILING DATE: 1998-03-19
14 PRIOR APPLICATION NUMBER: 60/080,313
15 PRIOR FILING DATE: 1998-04-01
16 NUMBER OF SEQ ID NOS: 470
17 SOFTWARE: Patent In Ver. 2.0
18 SEQ ID NO 90
19 LENGTH: 1892
20 TYPE: DNA
21 ORGANISM: Homo sapiens
22 US-09-397-945-90

Query Match 95.6%; Score 1811.2; DB 10; Length 1892;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1860; Conservative 0; Mismatches 8; Indels 4; Gaps 4;

24 GGAAGGAGGAGGATCTTCTCCGCAATGAGAGCAGGCTGCTTCTTCTCACT 83
13 GGAAGGAGGAGGATCTTCTCCGCAATGAGAGCAGGCTGCTTCTTCTCACT 72
84 CCGAAGGAGGAGGATCTTCTCCGCAATGAGAGCAGGCTGCTTCTTCTCACT 143
73 CCGAAGGAGGAGGATCTTCTCCGCAATGAGAGCAGGCTGCTTCTTCTCACT 132
144 CACTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 203
133 CACTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 192
204 AACCTGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 263
193 AACCTGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 252
264 ACTGTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 323
253 ACTGTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 312
324 AACCTGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 383
313 AACCTGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 372
384 CAACCTGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 443
373 CAACCTGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 432
444 TAACTGTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 503
433 TAACTGTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 492
504 CATCTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 563
493 CATCTCAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 552
564 CAGCAACAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 623
553 CAGCAACAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 612
624 GCGAGAGGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 683
613 GCGAGAGGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 672
684 GCGAGAGGAGGAGGAGGATCTTCTCTCTCAATGAGAGCAGGCTTCTTCTCACT 743

Db	673	GCAGAAAGAGGGGCGAAGAAACAGAAAGACAAAGAAAGAGAAACAGAAAGAGAGGAGGAAAAGCA	733
Qy	744	GGAAGAAAGAACAGGGGACCTTAAGAGAGGACCGGAGAGCTGTGTCTACAGCTGCAGACAGACTC	803
Db	733	GGAAGAAAGAACAGGGGACTAAGAGAGGACGGAGAGCTGTGTCTACAGCTGCAGACAGACTC	792
Qy	804	AGAGCCCAAGTTTCACTCTGAATCTCTATCTTCTTAAACCTTCTCTTTTGTCTCCCGAGT	863
Db	793	AGAGCCCAAGTTTCACTCTGAATCTCTATCTTCTTAAACCTTCTCTTTTGTCTCCCGAGT	852
Qy	864	ACGAGAACTAGAGTCTACTCTTAATGATGAGAGAACATCCAGAGACTCAATGCATCAGC	923
Db	853	ACGAGAACTAGAGTCTACTCTTAATGATGAGAGAACATCCAGAGACTCAATGCATCAGC	912
Qy	924	CCAGAGAAATTAGTAAATGAAATGAAATTTATGATGAGAACTCTACCTGAGAGAAACCAAA	983
Db	913	CCAGAGAAATTAGTAAATGAAATGAAATTTATGATGAGAACTCTACCTGAGAGAAACCAAA	972
Qy	984	CCCTGGCAGCTTCTCGACGCTGCCCAACAGAGGCTTGTGGTGCTGTGCTATTCAT	1043
Db	973	CCCTGGCAGCTTCTCGACGCTGCCCAACAGAGGCTTGTGGTGCTGTGCTATTCAT	1031
Qy	1044	CGTGAAGAAATACCTGCAGCATPAAACCCCAACAGCCACGGCCGGAAGTAAATGAGAGAGA	1103
Db	1032	CGTGAAGAAATACCTGCAGCATPAAACCCCAACAGCCACGGCCGGAAGTAAATGAGAGAGAGA	1091
Qy	1104	GATCCTTGTTGGTTCGGGAAGTCGGTCTGTGAAGGCTTTGGGCGGAGACATGTCTACCTG	1163
Db	1092	GATCCTTGTTGGTTCGGGAAGTCGGTCTGTGAAGGCTTTGGGCGGAGACATGTCTACCTG	1151
Qy	1164	TGCCCTCTGTGACTTCTGTCTCTTGAAGCTGAGAGCATGACCATCACAAGGCGACCTGCA	1223
Db	1152	TGCCCTCTGTGACTTCTGTCTCTTGAAGCTGAGAGCATGACCATCACAAGGCGACCTGCA	1211
Qy	1224	GCGGCAACATAGCGCACCTCCCAACAACCTCCCTTTGTCAAGCCCTTGTGCTGCCCA	1283
Db	1212	GCGGCAACATAGCGCACCTCCCAACAACCTCCCTTTGTCAAGCCCTTGTGCTGCCCA	1270
Qy	1284	GAGCCTGTCCATCGGCAACCAAGTAAAGGTCCTCCAGAAATCAGGCGGCTTTTACGGGCTGGA	1343
Db	1271	GAGCCTGTCCATCGGCAACCAAGTAAAGGTCCTCCAGAAATCAGGCGGCTTTTACGGGCTGGA	1330
Qy	1344	TTTGTAAAGGTGGGCTCCACATGAACTTGTGATGTCGCGGCTTGCACAGAAAGCTGGA	1403
Db	1331	TTTGTAAAGGTGGGCTCCACATGAACTTGTGATGTCGCGGCTTGCACAGAAAGCTGGA	1390
Qy	1404	AGATGTCCGAATCTCTGGGTGGCTCCAGACTGAATTCCTTAAGCTTCCAGATGGGAGATT	1463
Db	1391	AGATGTCCGAATCTCTGGGTGGCTCCAGACTGAATTCCTTAAGCTTCCAGATGGGAGATT	1449
Qy	1464	CCCTTAACCAAGTTTGTGACACAGACTATATCCAGTACCCAAACTATCTGTTCTTCAAAAG	1523
Db	1450	CCCTTAACCAAGTTTGTGACACAGACTATATCCAGTACCCAAACTATCTGTTCTTCAAAAG	1509
Qy	1524	CCAGCAGTGTCTGATGAGAAACCGCAATCCGAAAGGTGTCGCCGATAGAGATCTGCAGAA	1583
Db	1510	CCAGCAGTGTCTGATGAGAAACCGCAATCCGAAAGGTGTCGCCGATAGAGATCTGCAGAA	1569
Qy	1584	TGAGACTTACAGTGTGCGCTGAGGCTTGCAGAAAGTGAGGACGTTGTGCTTCATGAGAGCA	1643
Db	1570	TGAGACTTACAGTGTGCGCTGAGGCTTGCAGAAAGTGAGGACGTTGTGCTTCATGAGAGCA	1629
Qy	1644	GGAGTTACGACCTTGAACCTTAAGGCAATTCGGAATGACATGAGCGCTATTTGTGCCACAC	1703
Db	1630	GGAGTTACGACCTTGAACCTTGAAGGCAATTCGGAATGACATGAGCGCTATTTGTGCCACAC	1689
Qy	1704	CCAGCAGCCCAACTGCGCAAGTTCTCTATATTTTGAAGACCCCAATGTCTTTCAGGCTGCCC	1763
Db	1690	CCAGCAGCCCAACTGCGCGCAAGTTCTCTATATTTTGAAGACCCCAATGTCTTTCAGGCTGCCC	1749
Qy	1764	CTTCTGGGTTCTTTATCTTGCGGCCCTTACATCAATTTCTTGAGTTTGAGAGCAACATCCAG	1823
Db	1750	CTTCTGGGTTCTTTATCTTGCGGCCCTTACATCAATTTCTTGAGTTTGAGAGCAACATCCAG	1809

Oy	1824	AGAGGGCCACGAGGGGGAGGCGCGCCCTTAAAGATGACTTAACATTAATTTGATC	1863
Db	1810	AGAGGGCCACGAGGGGAG-TGGCCCTCTTAAAGATGACTTAACATTAATTTGATC	1868
Oy	1884	TTCAAAAAAAAAA	1895
Db	1869	TTCAAAAAAAAAA	1880
RESULT 7			
US-10-653-595-90			
; Sequence 90, Application US/10653595			
; Publication No. US20040048304A1			
; GENERAL INFORMATION:			
; APPLICANT: Ruben et. al.			
; TITLE OF INVENTION: 95 Human secreted proteins			
; FILE REFERENCE: P2027P1C1			
; CURRENT APPLICATION NUMBER: US/10/653,595			
; CURRENT FILING DATE: 2003-09-03			
; PRIOR APPLICATION NUMBER: US 09/397945			
; PRIOR FILING DATE: 1999-09-17			
; PRIOR APPLICATION NUMBER: PCT/US99/05804			
; PRIOR FILING DATE: 1999-03-18			
; PRIOR APPLICATION NUMBER: 60/078,566			
; PRIOR FILING DATE: 1998-03-19			
; PRIOR APPLICATION NUMBER: 60/078,576			
; PRIOR FILING DATE: 1998-03-19			
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; PRIOR APPLICATION NUMBER: 60/078,579			
; PRIOR FILING DATE: 1998-03-19			
; PRIOR APPLICATION NUMBER: 60/080,114			
; PRIOR FILING DATE: 1998-04-01			
; PRIOR APPLICATION NUMBER: 60/080,112			
; PRIOR FILING DATE: 1998-04-01			
; PRIOR APPLICATION NUMBER: 60/078,578			
; PRIOR FILING DATE: 1998-03-19			
; Remaining Prior Application data removed - See File Wrapper or PALM.			
; NUMBER OF SEQ ID NOS: 470			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO 90			
; LENGTH: 1892			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-653-595-90			
Query Match			
Beet Local Similarity 95.6%; Score 1811.2; DB 18; Length 1892;			
Matches 1860; Conservative 0; Mismatches 8; Indels 4; Gaps 4;			
Oy	24	GGAGCGGGGGGATCTTCTTCGCGCAGAGAAAGCCAGCGCTTCTTCCCTCACT	83
Db	13	GGAGCGGAGAGATCTTCTTCGCGCAGAGAAAGCCAGCGCTTCTTCCCTCACT	72
Oy	84	CTGGAAGGTGCTGCTCTGCGCTCTGAGCACTGCGCGAGCCCAAGATTGCACTAGGCGCC	143
Db	73	CTGGAAGGTGCTGCTCTGCGCTCTGAGCACTGCGCGAGCCCAAGATTGCACTAGGCGCTC	132
Oy	144	CATCCGAGGAGCCCTCTCTCTCTCAACGAATAGAAAGCTTCTTGGCACTGTGACTCC	203
Db	133	CATCCGAGGAGCCCTCTCTCTCTCAACGAATAGAAAGCTTCTTGGCACTGTGACTCC	192
Oy	204	AACCTGGAAGGCAGAGACTACTGCGCTTCCGTTCGCAACCAACGCGTGGCGGAATCCAC	263
Db	193	AACCTGGAAGGCAGAGACTACTGCGCTTCCGTTCGCAACCAACGCGTGGCGGAATCCAC	252
Oy	264	ACTGTGTCACGTGGACCAATATGAAAAACAAGGCTTAGTGCCGATGATGTGCTGTCTCTC	323
Db	253	ACTGTGTCACGTGGACCAATATGAAAAACAAGGCTTAGTGCCGATGATGTGCTGTCTCTC	312

QY 391 GTCTACTATGCGAAGAGAGTCTGTGTGTTCCAGCCAGTCTTATTTCTCTACCTAACACT 450
 DB 697 GTCTACTATGCGAAGAGAGTCTGTGTGTTCCAGCCAGTCTTATTTCTCTACCTAACACT 756
 QY 451 CTGAAGAGATGAAAGTTTCACTGAACTCTCAACCCACCAAGATGACTTCCCCATCTCA 510
 DB 757 CTGAAGAGATGAAAGTTTCACTGAACTCTCAACCCACCAAGATGACTTCCCCATCTCA 816
 QY 511 CCCCACTTCAAGTGAAGAGAGCCAGACCTTCCAGCCCTGAGCCCTGAGAGGCTCAGAAC 570
 DB 817 CCCCACTTCAAGTGAAGAGAGCCAGACCTTCCAGCCCTGAGCCCTGAGAGGCTCAGAAC 876
 QY 571 AACGTGAGAGAGTCTCTACATCTCTTGTCTCTGAGAGCCAGAGAGAGCCAGAG 630
 DB 877 AACGTGAGAGAGTCTCTACATCTCTTGTCTCTGAGAGCCAGAGAGAGCCAGAG 936
 QY 631 CACAGAGAGAGAGAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 690
 DB 937 CACAGAGAGAGAGAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 996
 QY 691 GAGGGGAG 750
 DB 997 GAGGGGAG 1056
 QY 751 GAG 810
 DB 1057 GAG 1116
 QY 811 AAGTTTCACTCTGATCTTATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 870
 DB 1117 AAGTTTCACTCTGATCTTATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1176
 QY 871 GTAGAGTCTACTCTCTATGATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 930
 DB 1177 GTAGAGTCTACTCTCTATGATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1236
 QY 931 ATAGATGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 990
 DB 1237 ATAGATGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1296
 QY 991 AGCTTCTGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1050
 DB 1297 AGCTTCTGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1356
 QY 1051 AATACCTGATCATTAACCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1110
 DB 1357 AATACCTGATCATTAACCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1416
 QY 1111 GGTTCGGGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1170
 DB 1417 GGTTCGGGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1476
 QY 1171 TGTGACTTCTGCTCTTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1230
 DB 1477 TGTGACTTCTGCTCTTGAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1536
 QY 1231 CAATGGAAG 1290
 DB 1537 CAATGGAAG 1596
 QY 1291 TCCATGCGAAG 1350
 DB 1597 TCCATGCGAAG 1556
 QY 1351 GGTGGGCTCCACATG 1365
 DB 1657 GGTGGGCTCCACATG 1671

RESULT 10
 US-10-085-117-50
 ; Sequence 50, Application US/10085117
 ; Publication No. US2003023234A1

; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: 529452000121
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; CURRENT FILING DATE: 2002-02-27
 ; PRIOR APPLICATION NUMBER: US 09/798,586
 ; PRIOR FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 361
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 50
 ; LENGTH: 1840
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; US-10-085-117-50

Query Match 59.5%; Score 1128.2; DB 17; Length 1840;

Best Local Similarity 77.5%; Pred. No. 0;

Matches 1422; Conservative 0; Mismatches 398; Indels 15; Gaps 4;

QY 26 AGCGGGCGGATCTTCTCCGGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 85
 DB 13 AGCGGGGATCTTCTCCAGGCGCAGATGATGATGATGATGATGATGATGATGATGATGAT 72
 QY 86 TGAAGGTGCTGCTCTGCTCTGAGACCTGCGGAGCCAGAGATTGCACTCAGGCCCCCA 145
 DB 73 TGAAGGTGCTGCTCTGCTCTGAGACCTCTTTCGCTGAGAGAT---CTCAGGCTTCCA 129
 QY 146 CTCGAGGAGCCCTCTCTCTCTCTACGGAATACGAAGCTTCTTCCAGCTGCTGATCTCAA 205
 DB 130 CTCGAGGAGCCCT 189
 QY 206 CTCGAGGAGGAG 265
 DB 190 CTCGAGGAGGAG 249
 QY 266 TCGTCAGCTGAGACCAATATGAAAACAGAGGCTTATGAGCCGAGTGTGCTGCTGCTCA 325
 DB 250 TCGTCAGTGTGATCAATATGAAAACAGAGATGATGATGATGATGATGATGATGATGAT 309
 QY 326 ACTTCCTTATGCT 385
 DB 310 ACTTCCTTATGCT 369
 QY 386 ACCAGCTCTATGAG 445
 DB 370 ACCAGTCTATGAG 429
 QY 446 ACACTCTCAAGAGATGAGAGCTTCAAGTGTCAACCAACAGATGAGACTTCCCA 505
 DB 430 ACACTCTCAAGAGATGAGAGCTTCAAGAGATGATGATGATGATGATGATGATGATGAT 489
 QY 506 TCTCAACCCCACTTCAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 565
 DB 490 TGTGTCCATGCAAG 549
 QY 566 GCAACAAGTGAAG 625
 DB 550 ACACAACCTGAG 609
 QY 626 CAGAGCAAG 685
 DB 610 GCAAGTGAAG 666
 QY 686 AGAAG 742
 DB 667 TAGAAG 726
 QY 743 AGAAG 802
 DB 727 AGAAG 786

QY 766 GAGGACCGGAGGCTGTGTCTCAGCTGCAGACAGCTCAGAGCCCAAGTTTCACTCTGAA 825
 DB 715 GCGGGTCTGAGTCACTGTCCAGGCTGAGTCAAGCTCAGAGCCCAATTTCAATCCAG 774
 QY 826 TCTCTATTTTAAACCTTCTCTTTTGTCTCCCGGGGTACAGAAAGTAAAGTCTCTCT 885
 DB 775 TCACCTGCTTCCAAACCCGCTCTTCTTCACTCCCGGGGTCCAGAGGTGAGTCTGTCTCA 834
 QY 886 ATGATTAATGAGAAATCCAGAGCTCTATTCAGATCAAGCCCAAGAAATGAGAAATGAT 945
 DB 835 TTGATGATGAAATATCCAGAGCTCATTTGGTCTGCTCCAGAAATGAGTAAATGAT 894
 QY 946 GAAATATATGATGAGAACTCTCTACTGAGAAACCAAAACCTTGACAGTTCTCTCAGCTG 1005
 DB 895 GAACTGATATGATGAG-----CTCTGAGAAAGCCAAAGCACTGACAGCTCTCAGAGT 948
 QY 1006 CCCCACACAGAGGCTTGT 1065
 DB 949 CCCCACATGAGAGACCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1008
 QY 1066 ACCCCCAAGCCAGGCTGGAATGATGATGAGAGAGAGATCCTTGGTTCCGGGAATGCG 1125
 DB 1009 ACTCCCAAGCCAGGCTGGAATGATGATGAGAGAGAGATCCTTGGTTCCGGGAATGCG 1068
 QY 1126 GTCTGTGACAGCTTGTGGGCGGCGACATGTCTACTGTGTGTGTGTGTGTGTGTGTGT 1185
 DB 1069 GTGTGTGACATCTCTGGAAGGCGACACAGCTGTCTGTCTGTGTGTGTGTGTGTGT 1128
 QY 1186 TTGAGGTGAGAGAGTGTCTGAGAGGCGAGCTGTGAGCGGCAACAATGAGACCTCC 1245
 DB 1129 CTGAGGTGAGAGAGTGTCTGAGAGGCGAGCTGTGAGCGGCAACAATGAGACCTCC 1188
 QY 1246 CACAAAGCTCCCTTTTGTCAAGCCCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1305
 DB 1189 CACAAAGTATCCCTTTTGTCAAGCCCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1248
 QY 1306 GTAGGCTTCCCGAGATGAGGCGGCTTTTACGAGGCTGATTTGTAGGCTGTCCATG 1365
 DB 1249 GCGAGATATCCCAATTAAGAGAGATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1308
 QY 1366 GACTTCTGT 1425
 DB 1309 GAGTCTGT 1368
 QY 1426 CTCCAGCTGAGTGTCTTACTTGTCCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1485
 DB 1369 CTCAAGCTGAGTGTCTTACTTGTCCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1428
 QY 1486 GACTATATCCAGTATCCCAACTACTTGTCTTCAAAAGCCAGAGTGTGTGTGTGTGTGT 1545
 DB 1429 AACTATATCCAGTATCCCAACTACTTGTCTTCAAAAGCCAGAGTGTGTGTGTGTGTGT 1488
 QY 1546 CGCAATGAGAGT 1605
 DB 1489 CAGAAAGAGAGT 1548
 QY 1606 CCTGTGCAAAAGT 1665
 DB 1549 CTGGCTTAAGAGCGAAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1608
 QY 1666 GGCAGTGTGGAGTGA 1680
 DB 1609 GGCAGTGTGGAGTGA 1623

RESULT 12

US-09-978-360A-262
 ; Sequence 262, Application US/09978360A
 ; Publication No. US20040110939A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Edwards, Jean-Baptiste Dumais Milne
 ; APPLICANT: Duclerc, Aymeric
 ; APPLICANT: Bougueleret, Lydie

; APPLICANT: Jobert, Severin
 ; APPLICANT: Clusel, Catherine
 ; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
 ; FILE REFERENCE: 56.US4.CIP
 ; CURRENT APPLICATION NUMBER: US/09/978.360A
 ; PRIOR FILING DATE: 2001-10-15
 ; PRIOR APPLICATION NUMBER: US 60/066,677
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: US 60/069,957
 ; PRIOR FILING DATE: 1997-12-17
 ; PRIOR APPLICATION NUMBER: US 60/074,121
 ; PRIOR FILING DATE: 1998-02-09
 ; PRIOR APPLICATION NUMBER: US 60/081,563
 ; PRIOR FILING DATE: 1998-04-13
 ; PRIOR APPLICATION NUMBER: US 60/096,116
 ; PRIOR FILING DATE: 1998-08-10
 ; PRIOR APPLICATION NUMBER: US 60/099,273
 ; PRIOR FILING DATE: -09-04
 ; PRIOR APPLICATION NUMBER: US 09/191,997
 ; PRIOR FILING DATE: 1998-11-13
 ; PRIOR APPLICATION NUMBER: US 09/215,435
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: PCT/IB98/02122
 ; PRIOR FILING DATE: 1998-12-17
 ; PRIOR APPLICATION NUMBER: US 09/247,155
 ; PRIOR FILING DATE: 1999-02-09
 ; Remaining Prior Application data removed - See File Wrapper or PAM.
 ; NUMBER OF SEQ ID NOS: 810
 ; SOFTWARE: Patent.pm
 ; SEQ ID NO 262
 ; LENGTH: 964
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 21..527
 ; FEATURE:
 ; NAME/KEY: sig_peptide
 ; LOCATION: 21..95
 ; OTHER INFORMATION: Von Heijne matrix
 ; OTHER INFORMATION: score 8.5
 ; OTHER INFORMATION: seq LKVLILPLAPAA/OD
 ; FEATURE:
 ; NAME/KEY: polyA_signal
 ; LOCATION: 921..926
 ; FEATURE:
 ; NAME/KEY: polyA_site
 ; LOCATION: 953..963
 ; US-09-978-360A-262
 Query Match 49.5%; Score 937.6; DB 11; Length 964;
 Best Local Similarity 99.3%; Pred. No. 7,4e-274;
 Matches 948; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
 QY 30 GGGCGGATCTTCTCGGCGCATGAGAGCAAGCGGCTTCTTCCCTCATCTCGAA 89
 DB 2 GGGCGGATCTTCTCGGCGCATGAGAGCAAGCGGCTTCTTCCCTCATCTCGAA 61
 QY 90 GGTGTCTCTCTGCTTGTGCACTGCGCAGCGCAGATTCAGTCAAGGCCCACTCC 149
 DB 62 GGTGTCTCTCTGCTTGTGCACTGCGCAGCGCAGATTCAGTCAAGGCCCACTCC 121
 QY 150 AGGAGCCCTCTCTCTCTTACCGAATACGAAGCTTCTTGTGCACTGCTCAACTCG 209
 DB 122 AGGAGCCCTCTCTCTCTTACCGAATACGAAGCTTCTTGTGCACTGCTCAACTCG 181
 QY 210 GAGGAGAGAGTACCTGCGCTCTCGTGAACCCAGCGCTGCGGAATCCCACTCGT 269
 DB 182 GAGGAGAGAGTACCTGCGCTCTCGTGAACCCAGCGCTGCGGAATCCCACTCGT 241
 QY 270 CCAAGTGAACCAATATGAAACCAAGCGCTTAAGTGTGCTGTCTGCTCAACT 329
 DB 242 CCAAGTGAACCAATATGAAACCAAGCGCTTAAGTGTGCTGTCTGCTCAACT 301

QY 330 CCTTATGCTCTGCTGTTGAGTCTTTCTGCGAGTTCAGTCACTACCTGCTCCAAACA 389
 DB 302 CCTTATGCTCTGCTGTTGAGTCTTTCTGCGAGTTCAGTCACTACCTGCTCCAAACA 361
 QY 390 GGTCTACTATGCTCAAGAGAGTCTGCTGCTCCAGCAGTCTTATTTCTCTCACTTAAAC 449
 DB 362 GGTCTACTATGCTCAAGAGAGTCTGCTGCTCCAGCAGTCTTATTTCTCTCACTTAAAC 421
 QY 450 TCTTGAAGAGTATGAAGTTCAGTCAAGTCTCAACCCCAAC -GATGACCTTCCCCCTCT 508
 DB 422 TCTTGAAGAGTATGAAGTTCAGTCAAGTCTCAACCCCAAC -GATGACCTTCCCCCTCT 481
 QY 509 CACCCCACTTCAAGTGCAGAGCCGAGCCTTCCAGCCTGAGCTGAGAGCTCAGCA 568
 DB 482 CACCCCACTTCAAGTGCAGAGCCGAGCCTTCCAGCCTGAGCTGAGAGCTCAGCA 541
 QY 569 ACAACGTGAGAGCTCTTCAATCTCTTGTCTCTGGAAGCCGAGAGCAGAGCCGAG 628
 DB 542 ACAACGTGAGAGCTCTTCAATCTCTTGTCTCTGGAAGCCGAGAGCAGAGCCGAG 601
 QY 629 AGCAACAGCAGAGCAGAGAGTTCAGAGCAGAGCAGAGCCGAGCAGAGCAGAGCAG 688
 DB 602 AGCAACAGCAGAGCAGAGAGTTCAGAGCAGAGCAGAGCCGAGCAGAGCAGAGCAG 661
 QY 689 AAGAGGGGCAAGAAACAGAGAGCAGAGAGAGAAACAGAGAGAGAGAGAGAGAG 748
 DB 662 AAGAGGGGCAAGAAACAGAGAGCAGAGAGAGAAACAGAGAGAGAGAGAGAGAG 721
 QY 749 AAGAGAGGGGAGCTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 808
 DB 722 AAGAGAGGGGAGCTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 781
 QY 809 CCAAGTTTCACTGAGTCTTATCTTCTTCAACCTTCTCTTCTTCTTCTTCTTCTTCT 868
 DB 782 CCAAGTTTCACTGAGTCTTATCTTCTTCAACCTTCTCTTCTTCTTCTTCTTCTTCT 841
 QY 869 AAGAGAGTCTACTCTTATGATATGAGAGATTCAGAGAGCTCATTCAGTCAAGCAG 928
 DB 842 AAGAGAGTCTACTCTTATGATATGAGAGATTCAGAGAGCTCATTCAGTCAAGCAG 901
 QY 929 AATATGATGAATGAATGAATATATATATATATATATATATATATATATATATAT 983
 DB 902 AATATGATGAATGAATGAATATATATATATATATATATATATATATATATATAT 956

RESULT 13
 US-10-719-993-6794
 ; Sequence 6794, Application US/10719993
 ; Publication No. US20040265849A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CARBIL, Michele et al.
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 ; FILE REFERENCE: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: C0001496
 ; CURRENT APPLICATION NUMBER: US/10/719,993
 ; CURRENT FILING DATE: 2003-11-24
 ; NUMBER OF SEQ ID NOS: 55342
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6794
 ; LENGTH: 21347
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-719-993-6794

Query Match 24.9%; Score 471.8; DB 20; Length 21347;
 Best Local Similarity 98.6%; Pred. No. 1.2e-131;
 Matches 476; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 522 AGTACAGAAAGCCAGACCTTCCAGCCTGCTGAGAGAGTCTCAGCAACACGTGAGAGA 581
 DB 8812 AGTACAGAAAGCCAGACCTTCCAGCCTGCTGAGAGAGTCTCAGCAACACGTGAGAGA 8871

QY 582 GCTCTTCAATCTCTCTTGTCTCTGAGAGGCGAGAGCAAGCCGAGAGCAAGAGAGA 641
 DB 8872 GCTCTTCAATCTCTCTTGTCTCTGAGAGGCGAGAGCAAGCCGAGAGCAAGAGAGA 8931
 QY 642 GCAAGAGTGGAGCAGAGCAGAGAGCCGAGCAGAAACAGAGAGAGAGAGAGAGAG 701
 DB 8932 GCAAGAGTGGAGCAGAGCAGAGAGCCGAGCAGAAACAGAGAGAGAGAGAGAGAG 8991
 QY 702 ACAG 761
 DB 8992 ACAG 9051
 QY 762 TAAAGAGGAG 821
 DB 9052 TAAAGAGGAG 9111
 QY 822 TGAATCTTATCTTCTTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 881
 DB 9112 TGAATCTTATCTTCTTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 9171
 QY 882 TCCATGATATATGAT 941
 DB 9172 TCCATGATATATGAT 9231
 QY 942 GAATGAAT 1001
 DB 9232 GAATGAAT 9291
 QY 1002 GCT 1004
 DB 9292 GTT 9294

RESULT 14
 US-10-085-117-52
 ; Sequence 52, Application US/10085117
 ; Publication No. US2003023334A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Biegelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: 529452000121
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; CURRENT FILING DATE: 2002-02-27
 ; PRIOR APPLICATION NUMBER: US 09/798,586
 ; PRIOR FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 361
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 52
 ; LENGTH: 29346
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: variation
 ; LOCATION: (1)...(29346)
 ; OTHER INFORMATION: n = any nucleotide
 US-10-085-117-52

Query Match 24.9%; Score 471.8; DB 17; Length 29346;
 Best Local Similarity 98.6%; Pred. No. 1.3e-131;
 Matches 476; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 522 AGTACAGAAAGCCAGACCTTCCAGCCTGCTGAGAGAGTCTCAGCAACACGTGAGAGA 581
 DB 12812 AGTACAGAAAGCCAGACCTTCCAGCCTGCTGAGAGAGTCTCAGCAACACGTGAGAGA 12871
 QY 582 GCTCTTCAATCTCTCTTGTCTCTGAGAGGCGAGAGCAAGCCGAGAGCAAGAGAGA 641
 DB 12872 GCTCTTCAATCTCTCTTGTCTCTGAGAGGCGAGAGCAAGCCGAGAGCAAGAGAGA 12931
 QY 642 GCAAGAGTGGAGCAGAGCAGAGAGCCGAGCAGAAACAGAGAGAGAGAGAGAGAG 701
 DB 12932 GCAAGAGTGGAGCAGAGCAGAGAGCCGAGCAGAAACAGAGAGAGAGAGAGAGAG 12991

PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 6886
LENGTH: 792
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6886

Query Match 1.1%; Score 20; DB 4; Length 792;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1288 CTGTCATCGGCACACAGGT 1307
DB 68 CTGTCATCGGCACACAGGT 87

RESULT 3
US-09-489-039A-7008
Sequence 7008, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7008
LENGTH: 1701
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7008

Query Match 1.1%; Score 20; DB 4; Length 1701;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1288 CTGTCATCGGCACACAGGT 1307
DB 82 CTGTCATCGGCACACAGGT 101

RESULT 4
US-07-745-206A-14/C
Sequence 14, Application US/07745206A
Patent No. 5429921
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitch, Even, Tabin & Flannery
STREET: 135 S. LaSalle
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/745,206A
FILING DATE: 19910815
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feder, Scott B
REFERENCE/DOCKET NUMBER: 51504
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-372-7842
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2470 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2469
US-07-745-206A-14

Query Match 1.1%; Score 20; DB 1; Length 2470;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGGAAGACGACGAGAG 720
DB 1856 AACGGAAGACGACGAGAG 1837

RESULT 5
US-08-311-363-14/C
Sequence 14, Application US/08311363
Patent No. 5876958
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,363
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0062
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2469
US-08-311-363-14

Query Match 1.1%; Score 20; DB 2; Length 2470;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1856 AACGAGAGCAAGAGAG 1837

RESULT 6

US-07-745-206A-12/c
Sequence 12, Application US/07745206A
Patent No. 5429921
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitch, Even, Tabin & Flannery
STREET: 135 S. LaSalle
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/745,206A
FILING DATE: 19910815
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feder, Scott B
REFERENCE/DOCKET NUMBER: 51504
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-372-7842
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 5467 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(144..3164, 3168..3245, 3249..3386, 3390..3392, 3396..3488, 3495..3539, 3543..3581, 3585..3587, 3591..3626, 3630..3689, 3693..3737, 3744..3746, 3750..4823, 4827..4841, 4845..5006, 5010..5096, 5100..5306, 5310..5366, 5370..5465)
US-07-745-206A-12

Query Match 1.1%; Score 20; DB 1; Length 5467;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1999 AACGAGAGCAAGAGAG 1980

RESULT 7

US-08-311-363-12/c
Sequence 12, Application US/08311363
Patent No. 5876958
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,363
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 5467 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(144..3164, 3168..3245, 3249..3386, 3390..3392, 3396..3488, 3495..3539, 3543..3581, 3585..3587, 3591..3626, 3630..3689, 3693..3737, 3744..3746, 3750..4823, 4827..4841, 4845..5006, 5010..5096, 5100..5306, 5310..5366, 5370..5465)
US-08-311-363-12

Query Match 1.1%; Score 20; DB 2; Length 5467;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAGAG 720
DB 1999 AACGAGAGCAAGAGAG 1980

RESULT 8

US-08-456-200B-11/c
Sequence 11, Application US/08456200B
Patent No. 6229000
GENERAL INFORMATION:
APPLICANT: Franz, Jurgen; Weingartner, Bernhard;
APPLICANT: Unterbeck, Axel; Rae, Peter

TITLE OF INVENTION: TISSUE-SPECIFIC HUMAN NEURONAL
TITLE OF INVENTION: CALCIUM CHANNEL SUB-TYPES AND
TITLE OF INVENTION: THEIR USE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: SPRUNG HORN KRAMER & WOODS
STREET: 660 White Plains Road
CITY: Tarrytown
STATE: New York
COUNTRY: U.S.A.
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB
COMPUTER: NEC Powermate SX/20
OPERATING SYSTEM: DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,200B
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/094,712
FILING DATE: 19-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,278
FILING DATE: 26-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/064,778
FILING DATE: 19-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 41 10 785
FILING DATE: 04-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briescoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: Bayer 8398.3-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 6232 nucleotides
TYPE: Nucleotide
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: CDNA
US-08-456-200B-11

Query Match 1.1%; Score 20; DB 3; Length 6232;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGCAAGAGAG 720
|||||
DB 887 AACAGGAAGCAAGAGAG 868

RESULT 9
US-08-455-543A-8/C
Sequence 8, Application US/08455543A
Patent No. 5792846
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-455-543A-8

Query Match 1.1%; Score 20; DB 1; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGCAAGAGAG 720
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DB 1999 AACAGGAAGCAAGAGAG 1980

RESULT 10
US-08-193-078B-8/c
; Sequence 8, Application US/08193078B
; Patent No. 5846757
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWN, MARTIN, HALLER & McCLAIN
; STREET: 1660 UNION STREET
; CITY: SAN DIEGO
; STATE: CA
; COUNTRY: USA
; ZIP: 92101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/193,078B
; FILING DATE: 07-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/868,354
; FILING DATE: 10-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-53607
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 144..6857
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-193-078B-8
Query Match 1.1%; Score 20; DB 2; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGGAAGCAAGAGAG 720
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Db 1999 AACGGAAGCAAGAGAG 1980

RESULT 11
US-08-223-305C-8/c
; Sequence 8, Application US/08223305C

; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: PatSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751.
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 144..6857
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-223-305C-8
Query Match 1.1%; Score 20; DB 2; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGAAAGCAAGAG 720
Db 1999 AACAGAAAGCAAGAG 1980

RESULT 12

US-08-149-097D-8/c
Sequence 8, Application US/08149097D

Patent No. 5874236

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: Feldman, Daniel

APPLICANT: McCue, Ann

APPLICANT: Brenner, Robert

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/149,097D

FILING DATE: 05-NOV-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/105,536

FILING DATE: 11-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US92/06903

FILING DATE: 14-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/914,231

FILING DATE: 13-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/866,354

FILING DATE: 10-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/745,206

FILING DATE: 15-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/620,250

FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/482,384

FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/603,751

FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US89/01408

FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/176,839

FILING DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-55038

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 7175 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 144..6857

FEATURE:

NAME/KEY: 5'UTR

LOCATION: 1..143

FEATURE:

NAME/KEY: 3'UTR

LOCATION: 6855..7175

US-08-149-097D-8

Query Match 1.1%; Score 20; DB 2; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGAAAGCAAGAG 720
Db 1999 AACAGAAAGCAAGAG 1980

RESULT 13

US-08-949-386-8/c

Sequence 8, Application US/08949386

Patent No. 6090623

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: McCue, Ann

APPLICANT: Gillespie, Allison

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTRY: US

ZIP: 92101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/949,386

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/290,012

FILING DATE: 11-AUG-1994

APPLICATION NUMBER: 08/149,097

FILING DATE: 5-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/105,536

FILING DATE: 11-AUG-1993

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 519808

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999

TELEFAX: (619) 238-0062

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-949-386-8

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAG 720
DB 1999 AACGAGAGCAAGAG 1980

RESULT 14
US-08-450-562-8/C
Sequence 8, Application US/08450562
Patent No. 6096514
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McGee, Ann
APPLICANT: Gillespie, Alison
APPLICANT: Feldman, Daniel
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
METHODS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: US
ZIP: 92101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,562
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/404,950
FILING DATE: 13-MAR-1995
APPLICATION NUMBER: 08/336,257
FILING DATE: 7-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/314,083
FILING DATE: 28-SEPT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/311,363
FILING DATE: 23-SEPT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,012
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/223,305
FILING DATE: 4-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/193,078
FILING DATE: 07-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,097
FILING DATE: 5-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/105,536
FILING DATE: 11-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/914,231
FILING DATE: 13-JULY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: 10-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/06903
FILING DATE: 14-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/603,751
FILING DATE: 08-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/482,384
FILING DATE: 02-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-519812
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 7175 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175
US-08-450-562-8

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACGAGAGCAAGAG 720
DB 1999 AACGAGAGCAAGAG 1980

RESULT 15

US-08-984-709A-8/c
; Sequence 8, Application US/08984709A
; Patent No. 6320032

GENERAL INFORMATION:

APPLICANT: Williams, Mark E.
APPLICANT: Stauderman, Kenneth A.
APPLICANT: Harpold, Michael M.
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAniff
STREET: 4250 Executive Square, Suite 700
CITY: La Jolla
STATE: California
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/984,709A
FILING DATE: 02-DEC-1997

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779

TELECOMMUNICATION INFORMATION:
REFERENCE/DOCKET NUMBER: 24735-9815 (formerly 6362-9815)

TELEPHONE: (619) 450-8400
TELEFAX: (619) 587-5360

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 7175 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:
NAME/KEY: CDS
LOCATION: 144..6857

FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..143

FEATURE:
NAME/KEY: 3'UTR
LOCATION: 6855..7175

US-08-984-709A-8

Query Match 1.1%; Score 20; DB 3; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1999 AACAGGAAGAGCAAGAG 1980

Search completed: September 10, 2005, 21:45:41

Job time : 347 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 10, 2005, 20:41:11 ; Search time 1184 Seconds

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Searched: 7351250 seqs, 3283620254 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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Published Applications NA:*

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- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1886	99.5	1886	17	US-10-262-666-41 Sequence 41, Appl
3	1886	99.5	1886	17	US-10-085-117-53 Sequence 53, Appl
4	1632	86.1	1632	17	US-10-085-117-54 Sequence 54, Appl
5	1530	80.7	1892	20	US-10-719-993-124 Sequence 124, Appl
6	1494	78.8	1899	10	US-09-746-783-77 Sequence 77, Appl
7	1284	67.8	1892	10	US-09-397-945-90 Sequence 90, Appl

8	1284	67.8	1892	18	US-10-653-595-90 Sequence 90, Appl
9	1173	61.9	1671	18	US-10-296-115-693 Sequence 693, App
10	528	27.9	9664	11	US-09-978-360A-262 Sequence 262, App
11	471	24.9	21347	10	US-10-719-993-6794 Sequence 6794, App
12	471	24.9	29346	17	US-10-085-117-52 Sequence 52, Appl
13	379	20.0	469	10	US-09-918-995-14842 Sequence 14842, A
14	328	17.3	24923	20	US-10-719-993-7043 Sequence 7043, App
15	307	16.2	474	10	US-09-918-995-36471 Sequence 36471, A
16	281	14.8	308	13	US-10-040-739-6811 Sequence 6811, App
17	281	14.8	28953	20	US-10-719-993-6811 Sequence 6811, App
18	280	14.8	507	19	US-10-474-495-230 Sequence 230, App
19	280	14.8	522	19	US-10-474-495-12 Sequence 12, Appl
20	150	7.9	522	20	US-10-719-993-2295 Sequence 2295, App
21	150	7.9	201	20	US-10-719-993-2296 Sequence 2296, App
22	147	7.8	201	20	US-10-719-993-2297 Sequence 2297, App
23	109	5.8	201	20	US-10-719-993-2298 Sequence 2298, App
24	104	5.5	157	20	US-10-719-993-2294 Sequence 2294, App
25	104	5.5	201	20	US-10-719-993-15249 Sequence 15249, A
26	104	5.5	201	20	US-10-719-993-15249 Sequence 15249, A
27	100	5.3	201	20	US-10-719-993-17827 Sequence 17827, A
28	97	5.1	201	20	US-10-719-993-15236 Sequence 15236, A
29	95	5.0	201	20	US-10-719-993-15238 Sequence 15238, A
30	93	4.9	201	20	US-10-719-993-15250 Sequence 15250, A
31	88	4.6	201	20	US-10-719-993-15239 Sequence 15239, A
32	82	4.3	201	20	US-10-719-993-15240 Sequence 15240, A
33	60	3.2	60	10	US-09-908-975-2261 Sequence 2261, A
34	51	2.7	201	20	US-10-719-993-15251 Sequence 15251, A
35	49	2.6	201	20	US-10-719-993-15235 Sequence 15235, A
36	46	2.4	1623	17	US-10-085-117-51 Sequence 51, Appl
37	46	2.4	1840	17	US-10-085-117-50 Sequence 50, Appl
38	46	2.4	36211	17	US-10-085-117-49 Sequence 49, Appl
39	40	2.1	201	20	US-10-719-993-15252 Sequence 15252, A
40	27	1.4	25	21	US-09-746-783-92 Sequence 92, Appl
41	25	1.3	29	10	US-10-719-993-322039 Sequence 322039, A
42	23	1.2	23	18	US-10-148-641A-34 Sequence 34, Appl
43	23	1.2	25	21	US-10-719-993-91511 Sequence 91511, A
44	23	1.2	345	14	US-10-043-487-133 Sequence 133, App
45	22	1.2	22	18	US-10-148-641A-31 Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-10-148-641A-23
Sequence 23, Application US/10148641A
Publication No. US20040086852A1
GENERAL INFORMATION:
APPLICANT: Ono, Toshio and Nakayama, Eiichi
TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES THEREFOR
FILE REFERENCE: 100461.70132 US
CURRENT APPLICATION NUMBER: US/10/148,641A
CURRENT FILING DATE: 2003-03-18
PRIOR APPLICATION NUMBER: US 09/559,013
PRIOR FILING DATE: 2000-04-26
PRIOR APPLICATION NUMBER: US 60/168,353
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 39
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 1895
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49)....(1677)
US-10-148-641A-23
Query Match 100.0%; Score 1895; DB 18; Length 1895;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1895; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAAAGCGGCTTGTGTCTCAACGAGGACGCGGCGGATCTTCTCCGGCCATGAGAAAGCA 60
DB 1 GTTAAAGCGGCTTGTGTCTCAACGAGGACGCGGCGGATCTTCTCCGGCCATGAGAAAGCA 60
QY 61 GCGCGTGGCTTCCCTCCCTCACTCTGAAAGGTCGTCCTGAGCCCTGAGCACTGCGGCA 120
DB 61 GCGCGTGGCTTCCCTCCCTCACTCTGAAAGGTCGTCCTGAGCCCTGAGCACTGCGGCA 120
QY 121 GCCCAGATTGCACTCAGGCCCCCACTCCAGGACCCCTCTCTCTCTCAACGAATACGA 180
DB 121 GCCCAGATTGCACTCAGGCCCCCACTCCAGGACCCCTCTCTCTCTCAACGAATACGA 180
QY 181 CGCTTCTTGCACCTGCTGATCTCAACCTGGAAGGAGAGACTACTGCGGCTCTCGTGA 240
DB 181 CGCTTCTTGCACCTGCTGATCTCAACCTGGAAGGAGAGACTACTGCGGCTCTCGTGA 240
QY 241 ACCCAGGCTGCGGAGATCCCACTGCTGAGCTGAGCAATATGAAACCAAGGCTTA 300
DB 241 ACCCAGGCTGCGGAGATCCCACTGCTGAGCTGAGCAATATGAAACCAAGGCTTA 300
QY 301 GTGCGGATGCTGTCTGTCTCAACCTCCCTTAAGCTCTGCTGCTGCTGCTGCTGCTG 360
DB 301 GTGCGGATGCTGTCTGTCTCAACCTCCCTTAAGCTCTGCTGCTGCTGCTGCTGCTG 360
QY 361 CAGTTCACTCACTACCGTTGCTCAACCACTGCTCACTGCTCACTGCTCACTGCTCACT 420
DB 361 CAGTTCACTCACTACCGTTGCTCAACCACTGCTCACTGCTCACTGCTCACTGCTCACT 420
QY 421 CAGCAGTCTCTATCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACT 480
DB 421 CAGCAGTCTCTATCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACT 480
QY 481 TCACCCACACGATGACCTCCCATCTCAACCTCACTCACTCACTCACTCACTCACTCACT 540
DB 481 TCACCCACACGATGACCTCCCATCTCAACCTCACTCACTCACTCACTCACTCACTCACT 540
QY 541 TTCCGACCTTGGCTGAGAGGCTCAAGCAACCTGGAAGAGCTCTCACTCACTCACTCACT 600
DB 541 TTCCGACCTTGGCTGAGAGGCTCAAGCAACCTGGAAGAGCTCTCACTCACTCACTCACT 600
QY 601 TCCCTGGAGAGGCGAGAGAGGCGCAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
DB 601 TCCCTGGAGAGGCGAGAGAGGCGCAGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
QY 661 CAGAGAGCGACACAAGAAACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB 661 CAGAGAGCGACACAAGAAACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY 721 GAAACGAG 780
DB 721 GAAACGAG 780
QY 781 GTGTCTGAGCTGACAGACTCAGAGCCCAAGTTTCACTGAAATCTCTATCTTCTTAC 840
DB 781 GTGTCTGAGCTGACAGACTCAGAGCCCAAGTTTCACTGAAATCTCTATCTTCTTAC 840
QY 841 CCTTCTCTTTTGTCTCCCGGGTACAGAAATGAGTCTACTCTATGATTAATGAGAAC 900
DB 841 CCTTCTCTTTTGTCTCCCGGGTACAGAAATGAGTCTACTCTATGATTAATGAGAAC 900
QY 901 ATCCAGAGCTATTCGATCAGCCCAAGAAATGAAATGAAATGAAATGAAATGAAATG 960
DB 901 ATCCAGAGCTATTCGATCAGCCCAAGAAATGAAATGAAATGAAATGAAATGAAATG 960
QY 961 AACTCTACTGAGAAACCAAAACCTGAGACTTCTGACACTGCCCAACAGAGGCG 1020
DB 961 AACTCTACTGAGAAACCAAAACCTGAGACTTCTGACACTGCCCAACAGAGGCG 1020
QY 1021 TTGCTGTGCTGTGCTATTCGATGAGAAATACCTGATATTAACCCCAACAGC 1080
DB 1021 TTGCTGTGCTGTGCTATTCGATGAGAAATACCTGATATTAACCCCAACAGC 1080
QY 1081 GCCTGGAAGTATAGAGAGAGAGATCTTGTGTTCCGGAAGTCCGCTGTGTACAGCCTT 1140

DB 1081 GCTGGAAGTATAGAGAGAGAGATCTTGTGTTCCGGAAGTCCGCTGTGTACAGCCTT 1140
QY 1141 GGGCGGAGACATGCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
DB 1141 GGGCGGAGACATGCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
QY 1201 TGCCACTGAGAGGCTGAGCTGAGCGGCAACATGAGACACTTCCCAAGACTCCCTTT 1260
DB 1201 TGCCACTGAGAGGCTGAGCTGAGCGGCAACATGAGACACTTCCCAAGACTCCCTTT 1260
QY 1261 GTGAGCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
DB 1261 GTGAGCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
QY 1321 TCAGGCGCTTTTACGAGCTGAGATTGACGCTGAGCTGCAATGATGATCTTGTGCTG 1380
DB 1321 TCAGGCGCTTTTACGAGCTGAGATTGACGCTGAGCTGCAATGATGATCTTGTGCTG 1380
QY 1381 CGGCTTGCACGAAAGGCTGAGAGATGCTGAGAGATGCTGAGAGATGCTGAGAGATG 1440
DB 1381 CGGCTTGCACGAAAGGCTGAGAGATGCTGAGAGATGCTGAGAGATGCTGAGAGATG 1440
QY 1441 CTTAGCTTCCAGATGAGAGATTTCCCTACCAAGATTGTGACACAGACTATATCAGTAC 1500
DB 1441 CTTAGCTTCCAGATGAGAGATTTCCCTACCAAGATTGTGACACAGACTATATCAGTAC 1500
QY 1501 CCAAACTACTGTTCTTCAAAAAGCAGAGCTGTGATGAGAAACCGCAATCGAGAGTG 1560
DB 1501 CCAAACTACTGTTCTTCAAAAAGCAGAGCTGTGATGAGAAACCGCAATCGAGAGTG 1560
QY 1561 TCCCGCATGAGATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
DB 1561 TCCCGCATGAGATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
QY 1621 GACGTTGCTGCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB 1621 GACGTTGCTGCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
QY 1681 GCTGCGCTTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
DB 1681 GCTGCGCTTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
QY 1741 ACCCATTTGCTTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
DB 1741 ACCCATTTGCTTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
QY 1801 TTGGGTTGAGACACAGTCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1860
DB 1801 TTGGGTTGAGACACAGTCCCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1860
QY 1861 TGACTTTACATTAATGTTGATCTTCAAAAAA 1895
DB 1861 TGACTTTACATTAATGTTGATCTTCAAAAAA 1895

RESULT 2
US-10-262-666-41
; Sequence 41, Application US/1026266
; Publication No. US20030180298A1
; GENERAL INFORMATION:
; APPLICANT: Nakayama, Eiichi
; APPLICANT: Ono, Toshio
; APPLICANT: Old, Lloyd J.
; APPLICANT: Hasegawa, Kosei
; APPLICANT: Matsushita, Hirokazu
; TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
; FILE REFERENCE: 100461 70140
; CURRENT APPLICATION NUMBER: US/10/262, 666
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: PCT/US02/12497
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/356, 937

PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 60/285,343
PRIOR FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49) .. (1680)
OTHER INFORMATION:
US-10-262-666-41

Query Match 99.5%; Score 1886; DB 16; Length 1886;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1886; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGAGGCGGCTTGTGTGTCACGGGAGCGGGCGGATTTCTCCGGCCATGAGGAGCCA 60
DB 1 GTTAGAGGCGGCTTGTGTGTCACGGGAGCGGGCGGATTTCTCCGGCCATGAGGAGCCA 60
QY 61 GCGCGTGGCTTCTTCCCTCACTCTGAAAGTGTGCTCTGCTTGGCACTGGCCGCA 120
DB 61 GCGCGTGGCTTCTTCCCTCACTCTGAAAGTGTGCTCTGCTTGGCACTGGCCGCA 120
QY 121 GCCCAGATTGCACTCAGGCCCCCAGCTCAGGAGCCCTCTCTGCTACCGGAATAGAA 180
DB 121 GCCCAGATTGCACTCAGGCCCCCAGCTCAGGAGCCCTCTCTGCTACCGGAATAGAA 180
QY 181 CGCTTCTTGCACTGTGACTCAACCTGAGAGGCAAGACTACCTGCGCTTCCGTCGA 240
DB 181 CGCTTCTTGCACTGTGACTCAACCTGAGAGGCAAGACTACCTGCGCTTCCGTCGA 240
QY 241 ACCCAGGCTGCGGGAATCCCACTGTGCTGAGTGAACCAATGAAACACAGCTTA 300
DB 241 ACCCAGGCTGCGGGAATCCCACTGTGCTGAGTGAACCAATGAAACACAGCTTA 300
QY 301 GTGCGCATGATGTGTCTGTGCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 360
DB 301 GTGCGCATGATGTGTCTGTGCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 360
QY 361 CAGTTCACTACACGCTTGTGCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 420
DB 361 CAGTTCACTACACGCTTGTGCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 420
QY 421 CAGCCAGTCTTATTTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCA 480
DB 421 CAGCCAGTCTTATTTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCA 480
QY 481 TCACCCACAGATGATCTCCCATCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 540
DB 481 TCACCCACAGATGATCTCCCATCTCAACCTCCCTATGCTCTGATTTGATCTTTGCG 540
QY 541 TTCAGGCTTGTGCTGAGGCTCAAGCAACCTGAGAGGCTCTTCAATCTCTTTC 600
DB 541 TTCAGGCTTGTGCTGAGGCTCAAGCAACCTGAGAGGCTCTTCAATCTCTTTC 600
QY 601 TTCCTGGAGGCGCAGAGGCGCAGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGG 660
DB 601 TTCCTGGAGGCGCAGAGGCGCAGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGG 660
QY 661 CAGGAGCGCAGCAGAGCAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 720
DB 661 CAGGAGCGCAGCAGAGCAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 720
QY 721 GAAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
DB 721 GAAACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
QY 781 GTGTCTGAGTGCAGACAGCTCAGAGCCCAAGTTTCACTTGAATCTTATCTTTTAC 840
DB 781 GTGTCTGAGTGCAGACAGCTCAGAGCCCAAGTTTCACTTGAATCTTATCTTTTAC 840

DB 781 GTGTCTGAGTGCAGACAGCTCAGAGCCCAAGTTTCACTTGAATCTTATCTTTTAC 840
QY 841 CCTTCTCTTTTGTCTCCCGGGTACGAGAGTACGATCTCTATGATATGAGAAC 900
DB 841 CCTTCTCTTTTGTCTCCCGGGTACGAGAGTACGATCTCTATGATATGAGAAC 900
QY 901 ATCCAGAGGCTCATTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
DB 901 ATCCAGAGGCTCATTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
QY 961 AACTCTTACGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
DB 961 AACTCTTACGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
QY 1021 TTGCTGTGCTGTGCTATTTGATGATGATGATGATGATGATGATGATGATGATGAT 1080
DB 1021 TTGCTGTGCTGTGCTATTTGATGATGATGATGATGATGATGATGATGATGATGAT 1080
QY 1081 GCTTGAAGTACATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1140
DB 1081 GCTTGAAGTACATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1140
QY 1141 GGGGCGGAGACATGCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
DB 1141 GGGGCGGAGACATGCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
QY 1201 TGCCACTCAGAGGCGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1260
DB 1201 TGCCACTCAGAGGCGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1260
QY 1261 GTGAGCCCTTGTGCTTCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
DB 1261 GTGAGCCCTTGTGCTTCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
QY 1321 TCAGGCGGCTTTACGAGGCTGAGATTTGAGGAGGAGGAGGAGGAGGAGGAGGAG 1380
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QY 1381 CCGCTTGCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
DB 1381 CCGCTTGCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
QY 1441 CTTAGCTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1500
DB 1441 CTTAGCTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1500
QY 1501 CCAAACTACGTTCTTCAAAAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1560
DB 1501 CCAAACTACGTTCTTCAAAAAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1560
QY 1561 TCCCGATGAGATGTCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1620
DB 1561 TCCCGATGAGATGTCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1620
QY 1621 GAGTGTGCTTGCATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1680
DB 1621 GAGTGTGCTTGCATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1680
QY 1681 GCTGCGTCTATTTCTGCGCACACCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
DB 1681 GCTGCGTCTATTTCTGCGCACACCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
QY 1741 ACCCATGCTTTCAAGGCTGCGGCTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1800
DB 1741 ACCCATGCTTTCAAGGCTGCGGCTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1800
QY 1801 TTGGGTTGAGCAACGCTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860
DB 1801 TTGGGTTGAGCAACGCTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860
QY 1861 TGACTTTACATTAATGTTGATCTTC 1886
DB 1861 TGACTTTACATTAATGTTGATCTTC 1886

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RESULT 3
US-10-085-117-53
; Sequence 53, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085.117
; PRIOR FILING DATE: 2002-02-27
; CURRENT APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 1886
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-53

Query Match      99.5%; Score 1886; DB 17; Length 1886;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1886; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGAGGCGGCTTGTCACAGGAGCGGCGGATCTTCTCCGGCCATGAGAGCA 60
DB      1 GTTAGAGGCGGCTTGTCACAGGAGCGGCGGATCTTCTCCGGCCATGAGAGCA 60
QY      61 GCCGTGAGCTTCTTCCCTCACTCTGAAGTGCTGCTCTGCTTGGACCTGGCCA 120
DB      61 GCCGTGAGCTTCTTCCCTCACTCTGAAGTGCTGCTCTGCTTGGACCTGGCCA 120
QY      121 GCCCGAGATTGACTCAGAGCCGCCCACTCAGGAGACCCCTCTCTCCCAAGAA 180
DB      121 GCCCGAGATTGACTCAGAGCCGCCCACTCAGGAGACCCCTCTCTCCCAAGAA 180
QY      181 CGCTCTTGCACTGCTGCTCACTGCACTGGAAGGAGAGACTACCTGCGTCTCCGTC 240
DB      181 CGCTCTTGCACTGCTGCTCACTGCACTGGAAGGAGAGACTACCTGCGTCTCCGTC 240
QY      241 ACCCAGGCTGCGGAGATCCCACTGCTGCACTGGAAGGAGAGAAACCAAGCTT 300
DB      241 ACCCAGGCTGCGGAGATCCCACTGCTGCACTGGAAGGAGAGAAACCAAGCTT 300
QY      301 GTGCGGAGTGCTGCTGCTGCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB      301 GTGCGGAGTGCTGCTGCTGCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
QY      361 CAGTTCACCTACCTACCGTGTCCAAACAGTCTACTATGACCAAGAGAGTCTGTTCC 420
DB      361 CAGTTCACCTACCTACCGTGTCCAAACAGTCTACTATGACCAAGAGAGTCTGTTCC 420
QY      421 CAGCAGTCTCTATTCTCTACCTTAACTCTCAAGAGATGAAGCTTCACTGAAGTC 480
DB      421 CAGCAGTCTCTATTCTCTACCTTAACTCTCAAGAGATGAAGCTTCACTGAAGTC 480
QY      481 TCACCAACCAAGATGACTCCCTCCATCTCACTCACTCACTCACTCACTCACTCACT 540
DB      481 TCACCAACCAAGATGACTCCCTCCATCTCACTCACTCACTCACTCACTCACTCACT 540
QY      541 TTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
DB      541 TTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
QY      601 TCCCTGAGAGCCGAGAGCAAGGCGGCAAGCAACAGAGAGAGAGAGAGAGAGAGAG 660
DB      601 TCCCTGAGAGCCGAGAGCAAGGCGGCAAGCAACAGAGAGAGAGAGAGAGAGAGAG 660
QY      661 CAGAGCCCAACACAAACAAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB      661 CAGAGCCCAACACAAACAAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
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DB      661 CAGAGCCCAACACAAACAAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY      721 GAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
DB      721 GAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
QY      781 GGTCTCAGCTGAGACAGACTCAGAGCCCAAGTTTCACTGATCTCTATCTTCTTAC 840
DB      781 GGTCTCAGCTGAGACAGACTCAGAGCCCAAGTTTCACTGATCTCTATCTTCTTAC 840
QY      841 CCTTCTCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
DB      841 CCTTCTCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
QY      901 ATCCAGAGAGCTCATTTGATAGCCCAAGAAATGATGAATGAATGAATGAATGAATG 960
DB      901 ATCCAGAGAGCTCATTTGATAGCCCAAGAAATGATGAATGAATGAATGAATGAATG 960
QY      961 AACTCTACTGAGAGAAACCAAAACCTGAGAGCTTCTGAGAGCTGCCCCACAGAGGCC 1020
DB      961 AACTCTACTGAGAGAAACCAAAACCTGAGAGCTTCTGAGAGCTGCCCCACAGAGGCC 1020
QY      1021 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
DB      1021 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
QY      1081 GCTTGAAGTACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGCT 1140
DB      1081 GCTTGAAGTACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGCT 1140
QY      1141 GGGGCGGAGACATGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
DB      1141 GGGGCGGAGACATGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
QY      1201 TGCCACTCAGAGGCGAGCTGAGCGGCAACATGAGACACTCTCCCAAGAGAGAGAG 1260
DB      1201 TGCCACTCAGAGGCGAGCTGAGCGGCAACATGAGACACTCTCCCAAGAGAGAGAG 1260
QY      1261 GTCAAGCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
DB      1261 GTCAAGCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
QY      1321 TCAGGCGGCTTTTTCAGGAGATTTGTAAGGAGGCTGCACTGAGAGAGAGAGAGAG 1380
DB      1321 TCAGGCGGCTTTTTCAGGAGATTTGTAAGGAGGCTGCACTGAGAGAGAGAGAGAG 1380
QY      1381 CGGCTTGCAAGAGAGCTGTAAGATGTCGAGTCTCTGAGGCTTCACTGAGAGAGAG 1440
DB      1381 CGGCTTGCAAGAGAGCTGTAAGATGTCGAGTCTCTGAGGCTTCACTGAGAGAGAG 1440
QY      1441 CTTAGCTTCCAGATGAGAGATTTTCCCTTACCAAGATTTGTAAGAGAGAGAGAGAG 1500
DB      1441 CTTAGCTTCCAGATGAGAGATTTTCCCTTACCAAGATTTGTAAGAGAGAGAGAGAG 1500
QY      1501 CCAAACTACTGCTTCTTCAAAAGCAGAGAGTGTCTGATGAGAGAGAGAGAGAGAG 1560
DB      1501 CCAAACTACTGCTTCTTCAAAAGCAGAGAGTGTCTGATGAGAGAGAGAGAGAGAG 1560
QY      1561 TCCGCGATGAGATGCTGCAAGATGACTTACAGTGTGCTGAGAGCTTGGCAAGAGAG 1620
DB      1561 TCCGCGATGAGATGCTGCAAGATGACTTACAGTGTGCTGAGAGCTTGGCAAGAGAG 1620
QY      1621 GACGTTGCTTCCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB      1621 GACGTTGCTTCCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
QY      1681 GCTGAGCTCTATTCTGCCCCACAGCCAGCCCAAGCTGCAAGTCTCTATTGTTTGA 1740
DB      1681 GCTGAGCTCTATTCTGCCCCACAGCCAGCCCAAGCTGCAAGTCTCTATTGTTTGA 1740
QY      1741 ACCCATTTGCTTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
DB      1741 ACCCATTTGCTTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
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Query 1801 TTGGGTTGAGCAACGTCCAGAGAGGCGCACGGTGGAGCTGGCCCTCTTAAAGA 1860
Db 1801 TTGGGTTGAGCAACGTCCAGAGAGGCGCACGGTGGAGCTGGCCCTCTTAAAGA 1860
Query 1861 TGACTTTACATTAATGTTGATCTTC 1886
Db 1861 TGACTTTACATTAATGTTGATCTTC 1886

RESULT 4
US-10-085-117-54
; Sequence 54, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT FILING DATE: US/10/085,117
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 1632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-54

Query Match 86.1%; Score 1632; DB 17; Length 1632;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1632; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 49 ATGAGGAAGCCAGCGCTGGCTTCCTTCTCTCACTCTGAAAGTGTCTCTGCTG 108
Db 1 ATGAGGAAGCCAGCGCTGGCTTCCTTCTCTCACTCTGAAAGTGTCTCTGCTG 60

Query 109 GCACCTGGCCGACCCAGAGATTCCACTCAGAGCCCCCACTCCAGGAGCCCTCTCTCT 168
Db 61 GCACCTGGCCGACCCAGAGATTCCACTCAGGCCCCCACTCCAGGAGCCCTCTCTCT 120

Query 169 ACCGAATACGAAGCTTCTTGGCACTGTGACTCCCACTGGAAGGAGAGACTACCTGC 228
Db 121 ACCGAATACGAAGCTTCTTGGCACTGTGACTCCCACTGGAAGGAGAGACTACCTGC 180

Query 229 CGTCTCCGTGCAACCCAGCGCTGCGGAATCCCACTGTCCAGCTGGAACCAATATGA 288
Db 181 CGTCTCCGTGCAACCCAGCGCTGCGGAATCCCACTGTCCAGCTGGAACCAATATGA 240

Query 289 AACCAAGGCTTAAGTCCCGAGTGTCTGTCTGTCTCAACTCTCCCTTATGCTCTGTTT 348
Db 241 AACCAAGGCTTAAGTCCCGAGTGTCTGTCTGTCTCAACTCTCCCTTATGCTCTGTTT 300

Query 349 GAGCTTTCTTCCAGCTTCACTCACTACCGTTGTCTCCAAACAAGTCTATATGCAAGAGA 408
Db 301 GAGCTTTCTTCCAGCTTCACTCACTACCGTTGTCTCCAAACAAGTCTATATGCAAGAGA 360

Query 409 GTCTGTGTTCACAGCCAGTCTTAATCTCTCACTTAACACTCTCAAGAGATGAAGCT 468
Db 361 GTCTGTGTTCACAGCCAGCTCTTAATCTCTCACTTAACACTCTCAAGAGATGAAGCT 420

Query 469 TCAGCTGAAGTCTCAACCAACAGATGACTCTCCCATCTCAACCCCACTTCAAGTGA 528
Db 421 TCAGCTGAAGTCTCAACCAACAGATGACTCTCCCATCTCAACCCCACTTCAAGTGA 480

Query 529 GAAGGCAAGACCTTCCAGCCCTGGCTGAGAGGCTCAGCAACAAGTGAAGAGCTCTCTA 588
Db 481 GAAGGCAAGACCTTCCAGCCCTGGCTGAGAGGCTCAGCAACAAGTGAAGAGCTCTCTA 540

Query 589 CAATCTCTCTTGTCTCTGGAGGCGCAGAGCAAGGCGCAGAGCAACAGAGCAAGAGA 648

Db 541 CAATCTCTCTTGTCTCTGGAGGCCAGAGCAAGCCGCAAGACCAAGAGCAAGAGA 600
Query 649 GTGAGGACAGAGGAGAGCCGACACAAGAACACAGAGAGAGAGGAGCAAGAGAGA 708
Db 601 GTGAGGACAGAGGAGAGCCGACACAAGAACACAGAGAGAGAGGAGCAAGAGAGA 660

Query 709 GAGCAAG 768
Db 661 GAGCAAG 720

Query 769 GAGAGGAG 828
Db 721 GAGAGGAG 780

Query 829 CTATCTCTAACCCTTCTCTTGTGCTCCCGGGTACAGAGAGAGAGAGAGAGAGAGAG 888
Db 781 CTATCTCTAACCCTTCTCTTGTGCTCCCGGGTACAGAGAGAGAGAGAGAGAGAGAG 840

Query 889 ATATGAGAGACATCCAGAGCTTATTCAGATCAGCCAGAGAAATGATGAATGAATGA 948
Db 841 ATATGAGAGACATCCAGAGCTTATTCAGATCAGCCAGAGAAATGATGAATGAATGA 900

Query 949 ATATATGATGAAGACTCTTACTGAGAAACCAAAACCTTGACAGCTTCTGACAGTCCC 1008
Db 901 ATATATGATGAAGACTCTTACTGAGAAACCAAAACCTTGACAGCTTCTGACAGTCCC 960

Query 1009 CACACAGAGGCTTGT 1068
Db 961 CACACAGAGGCTTGT 1020

Query 1069 CCCACAGCCAAAGGCTTGAAGTACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1128
Db 1021 CCCACAGCCAAAGGCTTGAAGTACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080

Query 1129 TGTGACAGCTTGGGCGGCGACACATGTCTTACTGTGCTCTGTGACTTCTCTCTTG 1188
Db 1081 TGTGACAGCTTGGGCGGCGACACATGTCTTACTGTGCTCTGTGACTTCTCTCTTG 1140

Query 1189 AAGCTGAG 1248
Db 1141 AAGCTGAG 1200

Query 1249 AAGACTCTCTTGTGACAGCCCTTGTGCTCTCCAGAGCCGTGTCATCTGAGCAACAGTA 1308
Db 1201 AAGACTCTCTTGTGACAGCCCTTGTGCTCTCCAGAGCCGTGTCATCTGAGCAACAGTA 1260

Query 1309 GAGTCCCAAGATCAGCCCTTTTACGGCTGTGATTTGACGGTGGCTTCAATGAGAC 1368
Db 1261 GAGTCCCAAGATCAGCCCTTTTACGGCTGTGATTTGACGGTGGCTTCAATGAGAC 1320

Query 1369 TTTCTGTGTGCTCCGGCTTGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1428
Db 1321 TTTCTGTGTGCTCCGGCTTGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380

Query 1429 CAGACTGAGTTCCTTACCTTCCAGATGAGGATTTCCCTTCAAGATTTGTGACACAGAC 1488
Db 1381 CAGACTGAGTTCCTTACCTTCCAGATGAGGATTTCCCTTCAAGATTTGTGACACAGAC 1440

Query 1489 TATATCAGTACCCAACTACTGTTCTTCAAAAAGCAGAGAGTGTGATGAGAAACGCG 1548
Db 1441 TATATCAGTACCCAACTACTGTTCTTCAAAAAGCAGAGAGTGTGATGAGAAACGCG 1500

Query 1549 AATGGAAGGTGTCGCCAGATGAGATGTCTGAGAAATGAGACTTACATGAGAGAGAGCT 1608
Db 1501 AATGGAAGGTGTCGCCAGATGAGATGTCTGAGAAATGAGACTTACATGAGAGAGAGCT 1560

Query 1609 GGCAAAAGTGAAGAGCTTGTCTGATGAGAGCAGAGAGTTCAGACTTGAAGCTGAGG 1668
Db 1561 GGCAAAAGTGAAGAGCTTGTCTGATGAGAGCAGAGAGTTCAGACTTGAAGCTGAGG 1620

Query 1669 CAGTTCGATGA 1680
Db 1621 CAGTTCGATGA 1632

RESULT 5
US-10-719-993-124
; Sequence 124, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 124
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-124

Query Match 80.7%; Score 1530; DB 20; Length 1892;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1880; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 GTTAGAGGCGGCTTGTGTCTCAGGAGCGGCGGATCTTCCGGCCATGAGAGCA 60
DB 4 GTTAGAGGCGGCTTGTGTCTCAGGAGCGGCGGATCTTCCGGCCATGAGAGCA 63
QY 61 GCGCGTGGCTTCTTCCCTCACTCTGAGGTGTCTCTCTGCACTTGGCACTGCGCA 120
DB 64 GCGCGTGGCTTCTTCCCTCACTCTGAGGTGTCTCTCTGCACTTGGCACTGCGCA 123
QY 121 GCGCGATTTGCACTCAGGCGGCGGCACTCTGAGGTGTCTCTCTGCACTTGGCA 180
DB 124 GCGCGATTTGCACTCAGGCGGCGGCACTCTGAGGTGTCTCTCTGCACTTGGCA 183
QY 181 GCGCTTCTGCACTGCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 240
DB 184 GCGCTTCTGCACTGCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 243
QY 241 ACCGAGGCTGCGGATGCTGCACTGCTGCACTGCTGCACTGCTGCACTGCTGCA 300
DB 244 ACCGAGGCTGCGGATGCTGCACTGCTGCACTGCTGCACTGCTGCACTGCTGCA 303
QY 301 GTGCGGATGT 360
DB 304 GTGCGGATGT 363
QY 361 CAGTTCACTCACTACCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
DB 364 CAGTTCACTCACTACCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 423
QY 421 CAGCGATCTATTTCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACT 480
DB 424 CAGCGATCTATTTCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACT 483
QY 481 TCACCCACCAAGATGCTTCCCATCTCACTCACTCACTCACTCACTCACTCACT 540
DB 484 TCACCCACCAAGATGCTTCCCATCTCACTCACTCACTCACTCACTCACTCACT 543
QY 541 TTCGAGCGCTGCGGATGCTGCGGATGCTGCGGATGCTGCGGATGCTGCGGATGCT 600
DB 544 TTCGAGCGCTGCGGATGCTGCGGATGCTGCGGATGCTGCGGATGCTGCGGATGCT 603
QY 601 TCCCTGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660
DB 604 TCCCTGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 663
QY 661 CAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
DB 664 CAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 723

QY 721 GAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
DB 724 GAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 783
QY 781 GTGTCTCAGCTGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840
DB 784 GTGTCTCAGCTGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 843
QY 841 CCTTCTCTTTTGTGCTTCCCGGAGTACAGAGGAGGAGGAGGAGGAGGAGGAGGAG 900
DB 844 CCTTCTCTTTTGTGCTTCCCGGAGTACAGAGGAGGAGGAGGAGGAGGAGGAGGAG 903
QY 901 ATCCAGAGGCTCATTCATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 960
DB 904 ATCCAGAGGCTCATTCATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 963
QY 961 AACTCTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1020
DB 964 AACTCTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1023
QY 1021 TTGCTGAGGCTGCTGCTATTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1080
DB 1024 TTGCTGAGGCTGCTGCTATTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1083
QY 1081 GCTTGAAGATCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140
DB 1084 GCTTGAAGATCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1143
QY 1141 GGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1200
DB 1144 GGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1203
QY 1201 TGCCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1260
DB 1204 TGCCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1263
QY 1261 GTACGCCCTTGTCTGCTTCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
DB 1264 GTACGCCCTTGTCTGCTTCCAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1323
QY 1321 TCAGGCGCTTTTACGCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1380
DB 1324 TCAGGCGCTTTTACGCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1383
QY 1381 CGGCTTGGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1440
DB 1384 CGGCTTGGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1443
QY 1441 CTGAGCTTCAAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1500
DB 1444 CTGAGCTTCAAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1503
QY 1501 CCAAACTATGCTTCTTCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1560
DB 1504 CCAAACTATGCTTCTTCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1563
QY 1561 TCCGCGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1620
DB 1564 TCCGCGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1623
QY 1621 GACGTTGTCTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1680
DB 1624 GACGTTGTCTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1683
QY 1681 GCTGCGCTTATTTCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
DB 1684 GCTGCGCTTATTTCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1743
QY 1741 ACCCATGCTTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1800
DB 1744 ACCCATGCTTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1803
QY 1801 TTGGGTTGAGCAACAGTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860

Db	1265	TGCTTGCTCCGAGAGCCGTGCATCGGGAACAGTAGGGGTCCCAAAATCAGGCGCT	1324
Qy	1331	TTTACGGGCTGGATTTTGTACGGTGGGCTCCACATGACTTTGGTGTGCGGCTTGCCA	1390
Db	1335	TTTACGGGCTGGATTTTGTACGGTGGGCTCCACATGACTTTGGTGTGCGGCTTGCCA	1384
Qy	1391	CGAAAGGCTGGAAGATGTCGAGTCTCGGGTGGCTCAGACGTAGTTCCTTAGCTCC	1450
Db	1385	CGAAAGGCTGGAAGATGTCGAGTCTCGGGTGGCTCAGACGTAGTTCCTTAGCTTC	1444
Qy	1451	AGGATGGGGATTTCCTACCAAGATTTGTGACACAGACTAATCCAGTACCCAAACTACT	1510
Db	1445	AGGATGGGGATTTCCTACCAAGATTTGTGACACAGACTAATCCAGTACCCAAACTACT	1504
Qy	1511	GTTCTTTCAAAAGCCAGCAGTGTCTGATGAGAAACCGCAATCGAAGGTGTCCGCATGA	1570
Db	1505	GTTCTTTCAAAAGCCAGCAGTGTCTGATGAGAAACCGCAATCGAAGGTGTCCGCATGA	1564
Qy	1571	GATGTCGACGAATGAGACTTACAGTGGGCTGAGCC	1606
Db	1565	GATGTCGACGAATGAGACTTACAGTGGGCTGAGCC	1600

RESULT 7
US-09-397-945-90

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? Sequence 90 Application US/05397945
? Publication No. US20030065139A1
?
? GENERAL INFORMATION:
? APPLICANT: Human Genome Sciences, Inc. et al.
? TITLE OF INVENTION: 95 Human secreted proteins
? FILE REFERENCE: P2027P1
? CURRENT APPLICATION NUMBER: US/09/397,945
? CURRENT FILING DATE: 1999-09-17
? PRIOR APPLICATION NUMBER: PCT/US99/05804
? PRIOR FILING DATE: 1999-03-18
? PRIOR APPLICATION NUMBER: 60/078,566
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,576
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,573
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,574
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,579
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/080,314
? PRIOR FILING DATE: 1998-04-01
? PRIOR APPLICATION NUMBER: 60/080,312
? PRIOR FILING DATE: 1998-04-01
? PRIOR APPLICATION NUMBER: 60/078,578
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,581
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,577
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/078,563
? PRIOR FILING DATE: 1998-03-19
? PRIOR APPLICATION NUMBER: 60/080,313
? PRIOR FILING DATE: 1998-04-01
? NUMBER OF SEQ ID NOS: 470
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 90
? LENGTH: 1892
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-397-945-90

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Query Match	67.8%	Score 1284;	DB 10;	Length 1892;
Best Local Similarity	99.7%	Pred. No. 0;		
Matches 1794; Conservative	0;	Mismatches 3;	Indels 3;	Gaps 3;

33 CGGATCTTCTCCGGCCATGAGGAAGCCAGCCGCTGGCTTCTCTCCCTCACTCCTGAAGGT 92

[illegible]


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Qy 873 AGAGTCTACTCTATGATATGAGAAACATCCAGAGACTCATTCGATCAGCCCAAGAAAT 932
Db 862 AGAGTCTACTCTATGATATGAGAAACATCCAGAGACTCATTCGATCAGCCCAAGAAAT 921
Qy 933 AGATGAATGAATGAATATATGATGAGAAATCTCTGAGAGAAACCAAAACCTTGGCAG 992
Db 922 AGATGAATGAATGAATATATGATGAGAAATCTCTGAGAGAAACCAAAACCTTGGCAG 981
Qy 993 CTTCTGAGAGCTGCCCCACACAGAGAGCTTGTGGGTGCTGTCTTGTGATGTGTGAGAA 1052
Db 982 CTTCTGAGAGCTGCCCCACACAGAGAGCTTGTGGGTGCTGTCTTGTGATGTGTGAGAA 1040
Qy 1053 TACCTGATCATATACCCCAAGAGAGCTGAGAGTACATGAGAGAGAGAGATCTTGG 1112
Db 1041 TACCTGATCATATACCCCAAGAGAGCTGAGAGTACATGAGAGAGAGAGATCTTGG 1100
Qy 1113 TTTGGGGAAGTGGGTCTGTGACAGCTTGGGGGGGACACATGTCTACCTGTGCTCTG 1172
Db 1101 TTTGGGGAAGTGGGTCTGTGACAGCTTGGGGGGGACACATGTCTACCTGTGCTCTG 1160
Qy 1173 TGACTTCTGCTCTGGAAGCTGAGAGAGTCCAGAGCTCAGAGAGCTGAGAGAGAGAG 1232
Db 1161 TGACTTCTGCTCTGGAAGCTGAGAGAGTCCAGAGCTCAGAGAGCTGAGAGAGAGAG 1220
Qy 1233 ATGCGACACTCCCAACAGACTCCCTTGTGACCCCTTGTGCTGCTCCAGAGCTGTG 1292
Db 1221 ATGCGACACTCCCAACAGACTCCCTTGTGACCCCTTGTGCTGCTCCAGAGCTGTG 1279
Qy 1293 CATGGGCAACAGAGTGGGTCTCCCAAGATCAGAGCTGCTTTTACGGGCTGGATTTGTAGG 1352
Db 1280 CATGGGCAACAGAGTGGGTCTCCCAAGATCAGAGCTGCTTTTACGGGCTGGATTTGTAGG 1339
Qy 1353 TGGGGTCCACAGAGACTTGTGGGTGCGCGGCTGCGACAGAAAGGTGTGAAGTGTGCG 1412
Db 1340 TGGGGTCCACAGAGACTTGTGGGTGCGCGGCTGCGACAGAAAGGTGTGAAGTGTGCG 1399
Qy 1413 AGTCTCTGGGTGCTCCAGACTGAGTCTTGTGCTTCCAGATGGAGATTTCTTACCA 1472
Db 1400 AGTCTCTGGGTGCTCCAGACTGAGTCTTGTGCTTCCAGATGGAGATTTCTTACCA 1458
Qy 1473 GATTGTGACACAGACTATATCCAGTACCCAACTATCTGTCTCTTCAAAAGCCAGACTG 1532
Db 1459 GATTGTGACACAGACTATATCCAGTACCCAACTATCTGTCTCTTCAAAAGCCAGACTG 1518
Qy 1533 TCTGATGAGAAACCGCAATCGAGAGGTGTCCCGCATGAGATGTGCGAGATGAGACTTA 1592
Db 1519 TCTGATGAGAAACCGCAATCGAGAGGTGTCCCGCATGAGATGTGCGAGATGAGACTTA 1578
Qy 1593 CAGTGCCTGAGAGCTTGGCAAAAGTGAGAGAGCTTGTGCTTGCATGAGAGCCAGAGTTAG 1652
Db 1579 CAGTGCCTGAGAGCTTGGCAAAAGTGAGAGAGCTTGTGCTTGCATGAGAGCCAGAGTTAG 1638
Qy 1653 CACCTTGAAGTGAAGCTGAGATGAGCTGAGCTTATTTTGTCCACACCCAGCCCA 1712
Db 1639 CACCTTGAAGTGAAGCTGAGATGAGCTGAGCTTATTTTGTCCACACCCAGCCCA 1698
Qy 1713 ACCTGCCCCAGTCTCTATATTTTGTGAGACCCCATTTGCTTCAAGGTGCGCTTCTGGGT 1772
Db 1699 ACCTGCCCCAGTCTCTATATTTTGTGAGACCCCATTTGCTTCAAGGTGCGCTTCTGGGT 1758
Qy 1773 CTGTACTCGGCCCTCACTCAATTTCTTGGGTGGAGCAACAGTCCCAAGAGAGGCCA 1832
Db 1759 CTGTACTCGGCCCTCACTCAATTTCTTGGGTGGAGCAACAGTCCCAAGAGAGGCCA 1818

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RESULT 9
US-10-296-115-693

; Sequence-693, Application US/10296115

; Publication No. US20040053248A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq Inc

; TITLE OF INVENTION: No. US20040053248A1el Nucleic Acids and Polypeptides

; FILE REFERENCE: 784PCT

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; CURRENT APPLICATION NUMBER: US/10/296,115
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 693
; LENGTH: 1671
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-296-115-693

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Query Match 61.9%; Score 1173; DB 18; Length 1671;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 1273; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 91 GTGCTGCTCTGCTCTGAGCACTGCGGACGCCAGATTTGACTCAGGCCCACTTCCA 150
Db 397 GTGCTGCTCTGCTCTGAGCACTGCGGACGCCAGATTTGACTCAGGCCCACTTCCA 456
Qy 151 GGCAGCCCTCTCTCTCTACCGAATAGAAAGCTTTTGGCACTGCTGACTCCAACTGG 210
Db 457 GGCAGCCCTCTCTCTCTACCGAATAGAAAGCTTTTGGCACTGCTGACTCCAACTGG 516
Qy 211 AAGCAGAGACTACCTGCTGCTGCTGCAACCCAGAGCTGCGGAAATCCCACTGTC 270
Db 517 AAGCAGAGACTACCTGCTGCTGCTGCAACCCAGAGCTGCGGAAATCCCACTGTC 576
Qy 271 CAGCTGCAACATATGAAACACAGGCTTATGTCGCCATGATGTGTCTGTCCAACTC 330
Db 577 CAGCTGCAACATATGAAACACAGGCTTATGTCGCCATGATGTGTCTGTCCAACTC 636
Qy 331 CCTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 390
Db 637 CCTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 696
Qy 391 GTCTACTATGCAAGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 450
Db 697 GTCTACTATGCAAGAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 756
Qy 451 CTCAAGAGATATGAAAGCTTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 510
Db 757 CTCAAGAGATATGAAAGCTTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 816
Qy 511 CCCCACTTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 570
Db 817 CCCCACTTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 876
Qy 571 AACGTGGAAGTCTCTCAATCTCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 630
Db 877 AACGTGGAAGTCTCTCAATCTCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 936
Qy 631 CACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 690
Db 937 CACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 996
Qy 691 GAGGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 750
Db 997 GAGGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1056
Qy 751 GGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 810
Db 1057 GGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1116
Qy 811 AAGTTTCACTCTGATCTCTATCTCTTCAACCTTCTCTTGTGCTGCTGCTGCTGCT 870
Db 1117 AAGTTTCACTCTGATCTCTATCTCTTCAACCTTCTCTTGTGCTGCTGCTGCTGCT 1176
Qy 871 GTAGAGTCTACTCTATGATATGAGAGAACTCCAGAGCTCATTCATCAGCCAGAGAA 930
Db 1177 GTAGAGTCTACTCTATGATATGAGAGAACTCCAGAGCTCATTCATCAGCCAGAGAA 1236

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Qy	931	ATGATGAAATGAATGAATATATATGATGAACTCCATCTGGAGAAACCAAAACCTGGAC	990
Db	1237	ATRGATGAATGATATGAATATATATGATGAACTCTACTGGAGAAACCAAAACCTGGAC	1296
Qy	991	AGCTTCTGACGTGCCCCACAAGAAGCCTTGCTGTGTCTGTGATTCGATCTGTGAG	1050
Db	1297	AACCTCTCTGACAGTGGCCCCACAGAGAGCCTTGCTGTGTCTGTGATTCGATCTGTGAG	1356
Qy	1051	AATACCTGATCATATACCCCCACAGCGCAAGGCTGTGAAGTACATGAGAGAGATCTTT	1110
Db	1357	AATACCTGATCATATACCCCCACAGCAAGGCTGTGAAGTACATGAGAGAGATCTTT	1416
Qy	1111	GGTTTCGGGAAGTCGCTGTGTGACAGCCTTGGGCGGCGACACATGCTTACTGTGACCTC	1170
Db	1417	GGTTTCGGGAAGTCGCTGTGTGACAGCCTTGGGCGGCGACACATGCTTACTGTGACCTC	1476
Qy	1171	TGTGACTTCTGCTCTTGTGAAGTGTGACAGTGTCCACTAGAGGCGACGCTGTGAGCGCA	1230
Db	1477	TGTGACTTCTGCTCTTGTGAAGTGTGACAGTGTCCACTAGAGGCGACGCTGTGAGCGCA	1536
Qy	1231	CAATCGACACTCTCCACAAGAAGCTCCCTTTGTCAAGCCCTTGCTGTGCTCCAGAGCCTG	1290
Db	1537	CAATCGACACTCTCCACAAGAAGCTCCCTTTGTCAAGCCCTTGCTGTGCTCCAGAGCCTG	1596
Qy	1291	TTCATCGGCAACAGATAGGGTCCCCAGAAATCAGGCGCTTTACGGGCTGGATTTGTAC	1350
Db	1597	TTCATCGGCAACAGATAGGGTCCCCAGAAATCAGGCGCTTTACGGGCTGGATTTGTAC	1656
Qy	1351	GGTGGGCTCCACATG	1365
Db	1657	GGTGGGCTCCACATG	1671

RESULT 10

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US-09-978-360A-262
? Sequence 262. Application US/09978360A
? Publication No. US20040110939A1
?
? GENERAL INFORMATION:
? APPLICANT: Edwards, Jean-Baptiste Dumas Milne
? APPLICANT: Duclert, Aymeric
? APPLICANT: Bougueleret, Lydie
? APPLICANT: Jobert, Severin
? APPLICANT: Clusel, Catherine
? TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
? FILE REFERENCE: 56. US4. CIP
? CURRENT APPLICATION NUMBER: US/09/978,360A
? CURRENT FILING DATE: 2001-10-15
? PRIOR APPLICATION NUMBER: US 60/066,677
? PRIOR FILING DATE: 1997-11-13
? PRIOR APPLICATION NUMBER: US 60/069,957
? PRIOR FILING DATE: 1997-12-17
? PRIOR APPLICATION NUMBER: US 60/074,121
? PRIOR FILING DATE: 1998-02-09
? PRIOR APPLICATION NUMBER: US 60/081,563
? PRIOR FILING DATE: 1998-04-13
? PRIOR APPLICATION NUMBER: US 60/096,116
? PRIOR FILING DATE: 1998-08-10
? PRIOR APPLICATION NUMBER: US 60/099,273
? PRIOR FILING DATE: -09-04
? PRIOR APPLICATION NUMBER: US 09/191,997
? PRIOR FILING DATE: 1998-11-13
? PRIOR APPLICATION NUMBER: US 09/215,435
? PRIOR FILING DATE: 1998-12-17
? PRIOR APPLICATION NUMBER: PCT/IB98/02122
? PRIOR FILING DATE: 1998-12-17
? PRIOR APPLICATION NUMBER: US 09/247,155
? PRIOR FILING DATE: 1999-02-09
? Remaining Prior Application data removed - See File Wrapper or PALM.
? NUMBER OF SEQ ID NOS: 810
? SOFTWARE: Patent.pm
? SEQ ID NO 262
? LENGTH: 964
? TYPE: DNA

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/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 21..527
/
/ FEATURE:
/ NAME/KEY: sig_peptide
/ LOCATION: 21..95
/ OTHER INFORMATION: Von Heijne matrix
/ OTHER INFORMATION: score 8.5
/
/ FEATURE:
/ NAME/KEY: polyA_signal
/ LOCATION: 921..926
/
/ FEATURE:
/ NAME/KEY: polyA_site
/ LOCATION: 953..963
/
US-09-978-360A-262

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Query Match	27.9%	Score 528;	DB 11;	length 964;
Best Local Similarity	99.3%	Pred. No. 6.5e-268;		
Matches 948; Conservative	0;	Mismatches 6;	Indels 1;	Gaps 1;

OY	30	GGGGGAAATCTTCTCCGGCAATGAAGAAACCAAGCCGCGCTTCCTTCCCTCACTCCGAA	89
Db	2	GGGGGAATCTTCTCCGGCAATGAAGAAACCAAGCCGCGCTTCCTTCCCTCACTCCGAA	61
OY	90	GGTCGTCTCTGCTCTGCGCACTGGCCGCAAGCCCAAGATTCGATCGAGGCCCACTCC	149
Db	62	GGTCGTCTCTGCTCTGCGCACTGGCCGCAAGCCCAAGATTCGATCGAGGCCCACTCC	121
OY	150	AGGCAAGCCCTCTCTCTCCATCCGAATACGAACGCTTCTTGCACTGCTACTCAACCTG	209
Db	122	AGGCAAGCCCTCTCTCTCCATCCGAATACGAACGCTTCTTGCACTGCTACTCAACCTG	181
OY	210	GAAGGAGAGACTACCTGCGCTCTCCGCTGCAACCAAGGCTGCCGAATCCCAACTCGT	269
Db	182	GAAGGAGAGACTACCTGCGCTCTCCGCTGCAACCAAGGCTGCCGAATCCCAACTCGT	241
OY	270	CCAGCTGAGACCAATATGAAAAACAAGCTTAAGTCCCGATAGTCTCTCTGCTCAACT	329
Db	242	CCAGCTGAGACCAATATGAAAAACAAGCTTAAGTCCCGATAGTCTCTCTGCTCAACT	301
OY	330	CCCTTAATGCTCTGCTGTTGAGTCTTTCTGCCAAGTCACTCACTACCGTTGCTCAACA	389
Db	302	CCCTTAATGCTCTGCTGTTGAGTCTTTCTGCCAAGTCACTCACTACCGTTGCTCAACA	361
OY	390	CGTCTACTTAAGCCAAAGAGTCCCTGTGTCTCCCAAGCTCTTAATTTCTTCACTTAAC	449
Db	362	CGTCTACTTAAGCCAAAGAGTCCCTGTGTCTCCCAAGCTCTTAATTTCTTCACTTAAC	421
OY	450	TCTCAAGAGATGAAAGCTCAGCTGAAGTCAACCCACACAC-GATGACCTCCGCCACT	508
Db	422	TCTCAAGAGATGAAAGCTCAGCTGAAGTCAACCCACACAC-GATGACCTCCGCCACT	481
OY	509	CACCCCACTTCAAGTGAAGAAAGCCGACACTTTCAGCCCTGCGCTGAGAGGCTCAGCA	568
Db	482	CACCCCACTTCAAGTGAAGAAAGCCGACACTTTCAGCCCTGCGCTGAGAGGCTCAGCA	541
OY	569	ACAACTGTGAAGAGCTCTTCAATCTCTCTTTGTCTCTGGAGGCTCAGAGCAAGCCGAC	628
Db	542	ACAACTGTGAAGAGCTCTTCAATCTCTCTTTGTCTCTGGAGGCTCAGAGCAAGCCGAC	601
OY	629	AGCAACAAGGAGGACAAAGAGTGAAGCAAGGACAGGACCGACACAAGAAACAAGCAGG	688
Db	602	AGCAACAAGGAGGACAAAGAGTGAAGCAAGGACAGGACCGACACAAGAAACAAGCAGG	661
OY	689	AAAGGGGCGAAGACAGGAAGACAAAGAGAGACAGAAAGAGAGGGGAAGCAGGAG	748
Db	662	AAAGGGGCGAAGACAGGAAGACAAAGAGAGACAGAAAGAGAGGGGAAGCAGGAG	721
OY	749	AAAGGACAGGGGACTAAAGAGGGAACGGGAGGCTGTGTCTCACTGTGCAGACGACTCAGAC	808
Db	722	AAAGGACAGGGGACTAAAGAGGGAACGGGAGGCTGTGTCTCACTGTGCAGACGACTCAGAC	781

809 CCAAGTTCACTGATCTGATCTGTAACCCCTTCCCTTTGCTCCCGGGTAGAG 868
782 CCAAGTTCACTGATCTGATCTGTAACCCCTTCCCTTTGCTCCCGGGTAGAG 841
869 AAGTAGAGTCTACTCTGATGATGAGAAATCAGAGGCTCATTCAGTCCAGG 928
842 AAGTAGAGTCTACTCTGATGATGAGAAATCAGAGGCTCATTCAGTCCAGG 901
929 AAGTAGAGTCTACTCTGATGATGAGAAATCAGAGGCTCATTCAGTCCAGG 983
902 AAGTAGAGTCTACTCTGATGATGAGAAATCAGAGGCTCATTCAGTCCAGG 956

RESULT 11
US-10-719-993-6794
; Sequence 6794, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6794
; LENGTH: 21347
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-6794

Query Match 24.9%; Score 471; DB 20; Length 21347;
Best Local Similarity 100.0%; Pred. No. 7.3e-238; Indels 0; Gaps 0;
Matches 471; Conservative 0; Mismatches 0;

852 AGTGCAGAAAGCCGAGACCTTCCAGCCCTGAGAGGCTCAGCAACAAGTGAAGA 581
8812 AGTGCAGAAAGCCGAGACCTTCCAGCCCTGAGAGGCTCAGCAACAAGTGAAGA 8871
582 GCTCTCAATCTCTCTTGTCTCTGAGAGGCCAGGAGCCGAGCAAGCAAGCAAGA 641
8872 GCTCTCAATCTCTCTTGTCTCTGAGAGGCCAGGAGGCCAGGAGCCGAGCAAGCAAGA 8931
642 GCAAGAGTGAAGCAGCAGGAGGAGCCGAGCAACAAGCAACAAGGAGGAGCAAA 701
8932 GCAAGAGTGAAGCAGCAGGAGGAGCCGAGCAACAAGCAACAAGGAGGAGCAAA 8991
702 ACAGGAAGCAGAAAGAGAAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 761
8992 ACAGGAAGCAGAAAGAGAAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 9051
762 TAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 821
9052 TAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 9111
822 TGAATCTCTATCTTCTTAAACCTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 881
9112 TGAATCTCTATCTTCTTAAACCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 9171
882 TCCTATGATATGAGAAATCAGAGGCTCATTCAGTCCAGGAAATGATGAAT 941
9172 TCCTATGATATGAGAAATCAGAGGCTCATTCAGTCCAGGAAATGATGAAT 9231
942 GAATGAATATATATGATGAGAAATCTCTACTGAGAAACCAAAACCTTGGCAG 992
9232 GAATGAATATATATGATGAGAAATCTCTACTGAGAAACCAAAACCTTGGCAG 9282

RESULT 12
US-10-085-117-52
; Sequence 52, Application US/10085117

Publication No. US20030232334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 29346
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(29346)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-52

Query Match 24.9%; Score 471; DB 17; Length 29346;
Best Local Similarity 100.0%; Pred. No. 7.2e-238; Indels 0; Gaps 0;
Matches 471; Conservative 0; Mismatches 0;

522 AGTGCAGAAAGCCGAGACCTTCCAGCCCTGAGAGGCTCAGCAACAAGTGAAGA 581
12812 AGTGCAGAAAGCCGAGACCTTCCAGCCCTGAGAGGCTCAGCAACAAGTGAAGA 12871
582 GCTCTCAATCTCTCTTGTCTCTGAGAGGCCAGGAGCCGAGCAAGCAAGCAAGA 641
12872 GCTCTCAATCTCTCTTGTCTCTGAGAGGCCAGGAGCCGAGCAAGCAAGCAAGA 12931
642 GCAAGAGTGAAGCAGCAGGAGGAGCCGAGCAACAAGCAACAAGGAGGAGCAAA 701
12932 GCAAGAGTGAAGCAGCAGGAGGAGCCGAGCAACAAGCAACAAGGAGGAGCAAA 12991
702 ACAGGAAGCAGAAAGAGAAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 761
12992 ACAGGAAGCAGAAAGAGAAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 13051
762 TAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 821
13052 TAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 13111
822 TGAATCTCTATCTTCTTAAACCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 881
13112 TGAATCTCTATCTTCTTAAACCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 13171
882 TCCTATGATATGAGAAATCAGAGGCTCATTCAGTCCAGGAAATGATGAAT 941
13172 TCCTATGATATGAGAAATCAGAGGCTCATTCAGTCCAGGAAATGATGAAT 13231
942 GAATGAATATATATGATGAGAAATCTCTACTGAGAAACCAAAACCTTGGCAG 992
13232 GAATGAATATATATGATGAGAAATCTCTACTGAGAAACCAAAACCTTGGCAG 13282

RESULT 13
US-09-918-995-14842
; Sequence 14842, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054

Matches	328;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	522	AGTGAACGAAACGGCAGACCTTCCAGCCCTTGAGAGGCTCAAGCAACAACGTGGAGA	581						
Db	24596	AGTGAACGAAACGGCAGACCTTCCAGCCCTTGAGAGGCTCAAGCAACAACGTGGAGA	2465						
Qy	582	GCTCCTCAATTCCTCCTTGTCCTCGGAGAGGCGCAGAGCAAGCGCCAGAGCAACAGCAGA	641						
Db	24656	GCTCCTCAATTCCTCCTTGTCCTCGGAGAGGCGCAGAGCAAGCGCCAGAGCAACAGCAGA	24711						
Qy	642	GCAAGAGTGGAGCAACAGCGAGAGCGCGACACAAAGAACACAAACAGAGAGGGGCGAGAA	701						
Db	24716	GCAAGAGTGGAGCAACAGCGAGAGCGCGACACAAAGAACACAAACAGAGAGGGGCGAGAA	2477						
Qy	702	ACAGAAACCAACAGAAAGAGAACAGAAAGAGAGGAAAGCGAAAGAGAGCAAGGAGAC	761						
Db	24776	ACAGAAACCAACAGAAAGAGAACAGAAAGAGAGGAAAGCGAAAGAGAGCAAGGAGAC	2483						
Qy	762	TAAAGAGAGGAGCGGAGAGCGTGTCTCAGCTGCAGACAGACTCAGAGCCCAAGTTTCACTC	821						
Db	24836	TAAAGAGAGGAGCGGAGAGCGTGTCTCAGCTGCAGACAGACTCAGAGCCCAAGTTTCACTC	2489						
Qy	822	TGAATCTCTATCTTCTTAACCCCTCTCT	849						
Db	24896	TGAATCTCTATCTTCTTAACCCCTCTCT	24923						
RESULT 15									
US-09-918-995-36471									
; Sequence 36471, Application US/09918995									
; Publication No. US20030073623A1									
GENERAL INFORMATION:									
; APPLICANT: Hysq, Inc.									
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED									
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES									
; FILE REFERENCE: 20411-756									
; CURRENT APPLICATION NUMBER: US/09/918,995									
; CURRENT FILING DATE: 2001-07-30									
; PRIOR APPLICATION NUMBER: US/09/235,076									
; PRIOR FILING DATE: 1999-01-20									
; NUMBER OF SEQ ID NOS: 38054									
; SOFTWARE: FastSeq for Windows Version 3.0									
; SEQ ID NO 36471									
; LENGTH: 474									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
; FEATURE:									
; NAME/KEY: misc_feature									
; LOCATION: (1)...(474)									
; OTHER INFORMATION: n = A,T,C or G									
US-09-918-995-36471									
Query Match									
Best Local Similarity 16.2%; Score 307; DB 10; Length 474;									
Matches 407; Conservative 0; Mismatches 2; Indels 0; Gaps 0;									
Qy	696	GCAGAAACGAGAAAGACCAAGAGAGAAAGAGAGAGGAGAGGAAACAGAGAAAGAGAC	755						
Db	66	GCAGAAACGAGAAAGCAAGAAAGAGAAACAGAAAGAGAGGAGAAACAGAGAAAGAGAC	125						

Db 306 TGAATAGTAATGAATATATATGATGAGAACTCTACTGAGAAACCAAAACCTGGCAGCCT 365
 Qy 996 CCTGCAGCTGCCCCACACAGAGGCTCTGCTGTCTGTCTGATTCGATCGGTGAGAAATAC 1055
 Db 366 CCTGCAGCTGCCCCACACAGAGGCTCTGCTGTCTGTCTGATTCGATCGGTGAGAAATAC 425
 Qy 1056 CTGCATATATACCCCGACAGCCAGGCTGTGAAATACATGAGAGAGAG 1104
 Db 426 CTGCATATATACCCCGACAGCCAGGCTGTGAAATACATGAGAGAGAG 474

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Job time : 1188 secs